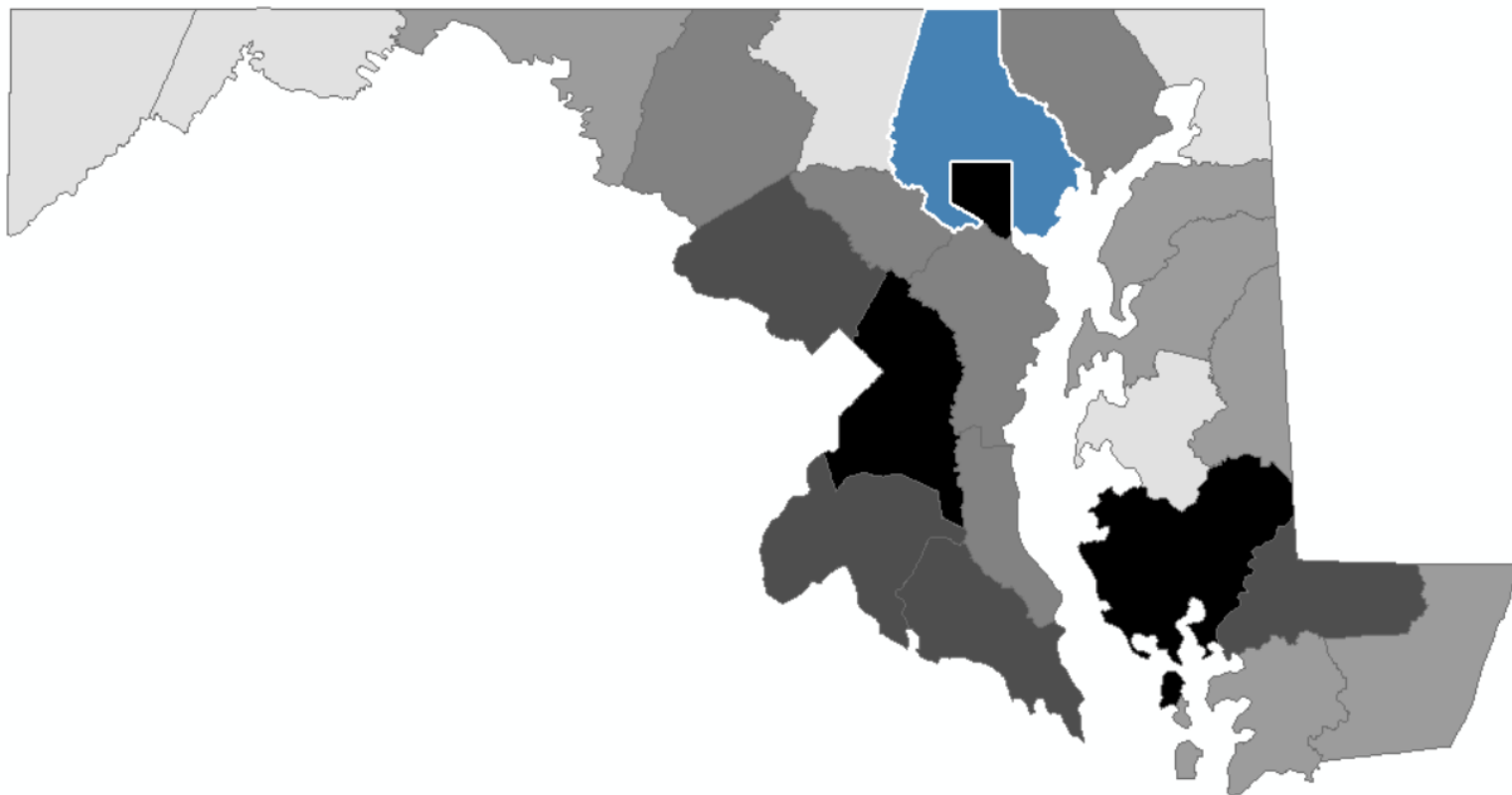


# 2016



## Baltimore County HIV Annual Epidemiological Profile

Data reported through June 30, 2017

Center for HIV Surveillance, Epidemiology and Evaluation  
Infectious Disease Prevention and Health Services Bureau  
Prevention and Health Promotion Administration  
Maryland Department of Health  
<http://phpa.health.maryland.gov/OIDEOR/CHSE>  
1-800-358-9001

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# Section I – Background Information

## HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in the Code of Maryland Regulations (COMAR) 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing the Maryland Confidential Morbidity Report (DHMH 1140). Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the Maryland Department of Health by mailing the Maryland Confidential Morbidity Report (DHMH 1140). Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing the Maryland Confidential Morbidity Report (DHMH 1140). Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the Maryland Department of Health to establish electronic reporting.
- Laboratory directors are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland Department of Health, by mailing the State of Maryland HIV/CD4 Laboratory Reporting Form (DHMH 4492). Laboratories are encouraged to contact the Maryland Department of Health to establish electronic reporting.

Reporting forms and instructions, including mailing addresses and phones numbers, are available on our website: <https://phpa.health.maryland.gov/OIDEOR/CHSE/Pages/reporting-material.aspx>

## For Assistance with HIV/AIDS Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Maryland Department of Health, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health at 410-767-5227.

## Limitations in the HIV/AIDS Data

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis or are current residents of Maryland as of 12/31/2016. Nationally, it has been estimated that 15.0% of people living with HIV infection are undiagnosed. In Maryland, it has been estimated that 15.3% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. Many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. Surveillance is the ongoing systematic collection, analysis, interpretation, and dissemination of case report data. Case report data are only available for cases receiving medical care, often only at facilities in Maryland, and only includes information that has been reported to the health department. Linkage to care data is based solely on laboratory data reported to the health department.

This epidemiological profile provides estimates of living Maryland diagnosed cases by current residence as of 12/31/2016. Residence at diagnosis is used exclusively to describe new HIV and AIDS diagnoses. Current residence data are restricted to cases for which there is a case report form or laboratory test reported between 1/1/2009 and 6/30/2017. Restricting address data to recent years presents the most accurate data available and helps to account for cases that may have moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes cases that may still be residents of Maryland but have not received any HIV care during the most recent eight and a half years. In addition, residence is dynamic and cases may have resided at multiple addresses that cannot all be represented in single time point estimates.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health at 410-767-5227.

## Stages of a Case of HIV/AIDS

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

A case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, and years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would probably be many years after the initial HIV infection [time point 1].

## Changes in Case Terminology

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both newly and previously diagnosed cases as well as undiagnosed infections. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.



For this epidemiological profile, the reports received through a certain time (six months after December 31<sup>st</sup> of the specified year) are used to generate the number of diagnoses during the prior years. This lag time allows for delays in reporting and time to complete investigations. Instead of the previous one-year lag, this epidemiological profile utilizes a six-month lag, and as a result, data on exposure category and deaths for the prior year are preliminary. For example, the Reported HIV Diagnoses for 2016 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 1/1/2016-12/31/2016, as reported by name through 6/30/2017.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the new cases each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 6/30/2017 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/2016 as reported by name through 6/30/2017.

## Laboratory Data

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4+ cells per microliter of blood or if the percent of T-Lymphocyte cells that are CD4+ cells is less than 14%. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Low levels of VL, such as less than 200 copies per milliliter of blood, are known as viral suppression. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured regularly, at least once per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" after diagnosis or is "retained in care."

## Sources of Data

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, current gender, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health's Enhanced HIV/AIDS Reporting System (eHARS), June 30, 2017.

Population data by sex, age, and race/ethnicity are from the July 1, 2016 U.S. Census Estimates. Population data by country-of-birth are from the Census Bureau's 2015 American Community Survey. This produces a difference in total population due to the different source. Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

Estimations of those undiagnosed are from Centers for Disease Control and Prevention's 2015 HIV Surveillance Supplemental Report published July 2017. The continuum of care is adapted from a 2011 article in Clinical Infectious Diseases in which a continuum of care "cascade" is used to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

## Tabulation of Column Totals

Numbers in figures, tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

## Data Suppression

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- All exposure/risk information if it is describing less than 5 cases, except in the case of "other" exposure.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

## HIV Exposure Categories

The Centers for Disease Control and Prevention (CDC) developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the

hierarchy and therefore counted only once. Men who have sex with men and report injection drug use constitutes a separate transmission category.

**MSM/IDU:** Men who report a history of sexual contact with other men who also have engaged in injection drug use.

**Men who have Sex with Men (MSM):** Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

**Injection Drug Use (IDU):** Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

**Heterosexual Exposure (HET):** Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

**Perinatal Exposure:** Any baby born to an HIV positive mother.

**Other Exposure:** Includes men or women who received clotting factor for hemophilia/coagulation disorder, or received a transfusion of blood/blood components, or received a transplant of tissue/organs or artificial insemination, or worked in a health care or clinical laboratory setting.

Not all exposure data is reported and is therefore missing for some cases. Multiple imputation is a statistical method by which missing exposure categories are replaced with estimated or probable exposure categories. Multiple imputation involves filling in the missing exposure category with multiple possible exposures, creating several complete datasets. Filling in the missing exposure category is done using the observed data for the individual case as well as data in aggregate from other cases in Maryland. The complete datasets, containing the various predictions for each missing exposure category, are combined to create a final dataset with previously missing exposure category replaced by weighted estimates.



## **MDH Non-Discrimination Statement**

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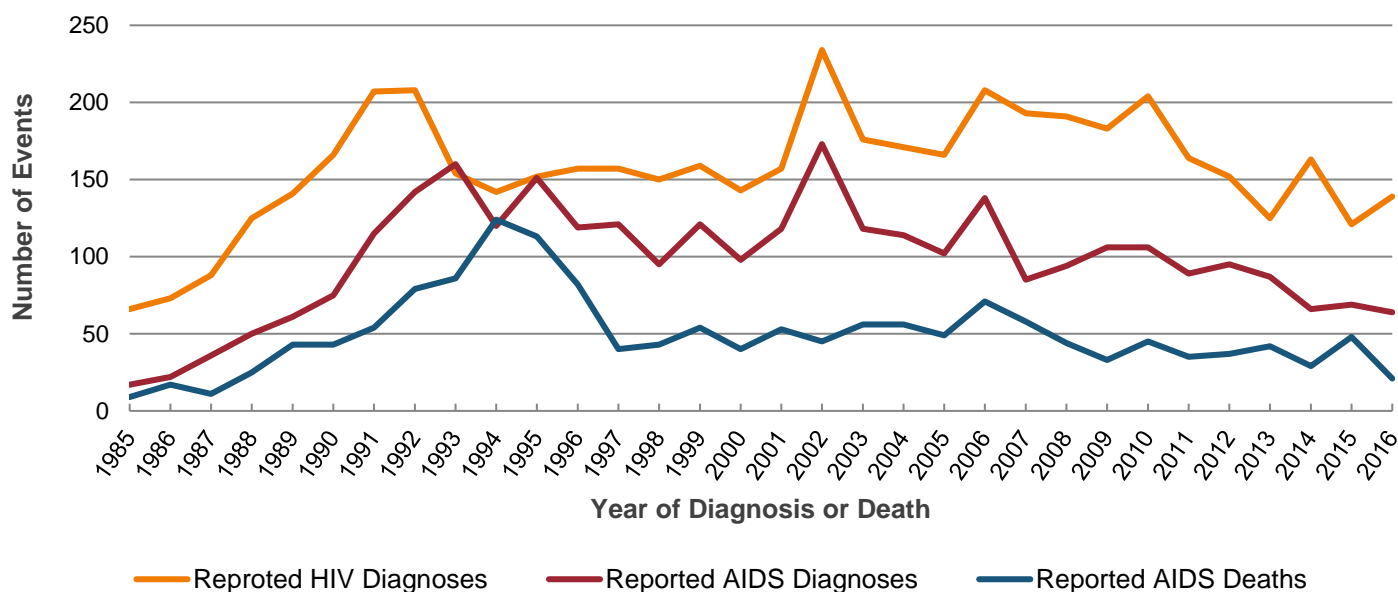
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## Section II – Trends 1985-2016

**Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2016, Reported through 6/30/2017**

Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2016 as Reported through 6/30/2017



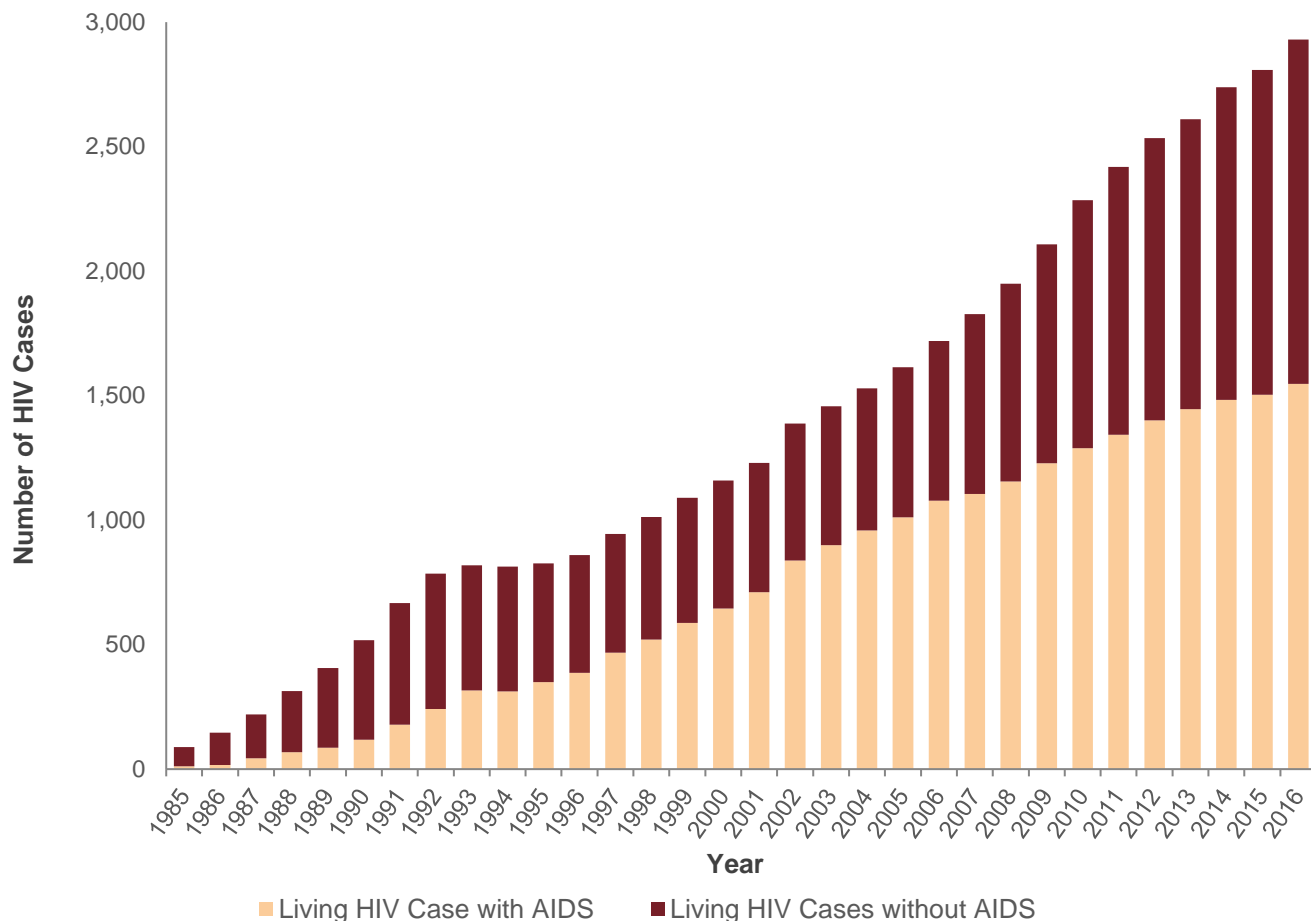
During the 2007-2008 transition to name-based reporting, many HIV cases were reported by a recent HIV diagnosis and not by their earliest HIV diagnosis, resulting in an artificial upward trend in HIV diagnoses during the period 2001-2008.

YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS	YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS
<1985	40	8	4	2001	157	118	53
1985	66	17	9	2002	234	173	45
1986	73	22	17	2003	176	118	56
1987	88	36	11	2004	171	114	56
1988	125	50	25	2005	166	102	49
1989	141	61	43	2006	208	138	71
1990	166	75	43	2007	193	85	58
1991	207	115	54	2008	191	94	44
1992	208	142	79	2009	183	106	33
1993	154	160	86	2010	204	106	45
1994	142	120	124	2011	164	89	35
1995	152	151	113	2012	152	95	37
1996	157	119	82	2013	125	87	42
1997	157	121	40	2014	163	66	29
1998	150	95	43	2015*	121	69	48
1999	159	121	54	2016*	139	64	21
2000	143	98	40	TOTAL	5,075	3,135	1,589

\*2015-2016 reported AIDS deaths are preliminary.

## Figure 2 – Trends in Living HIV Cases, 1985-2016, Reported through 6/30/2017

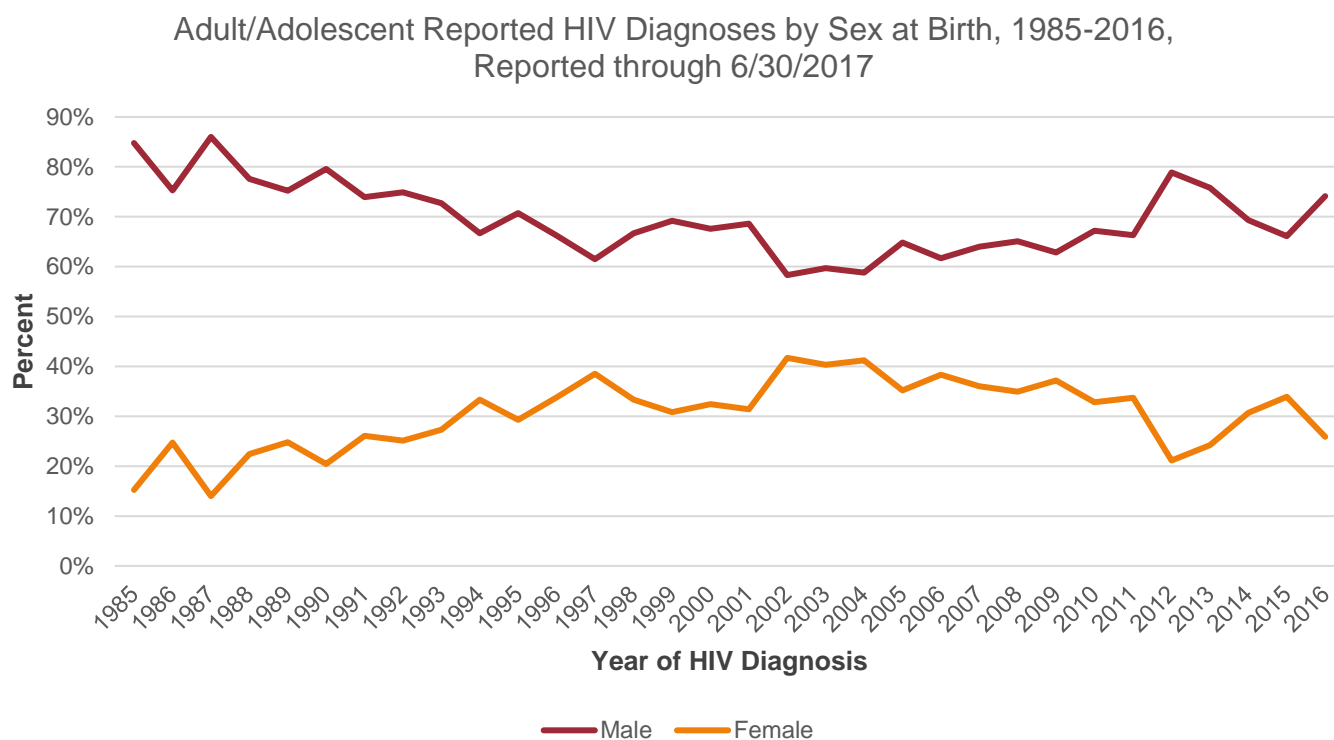
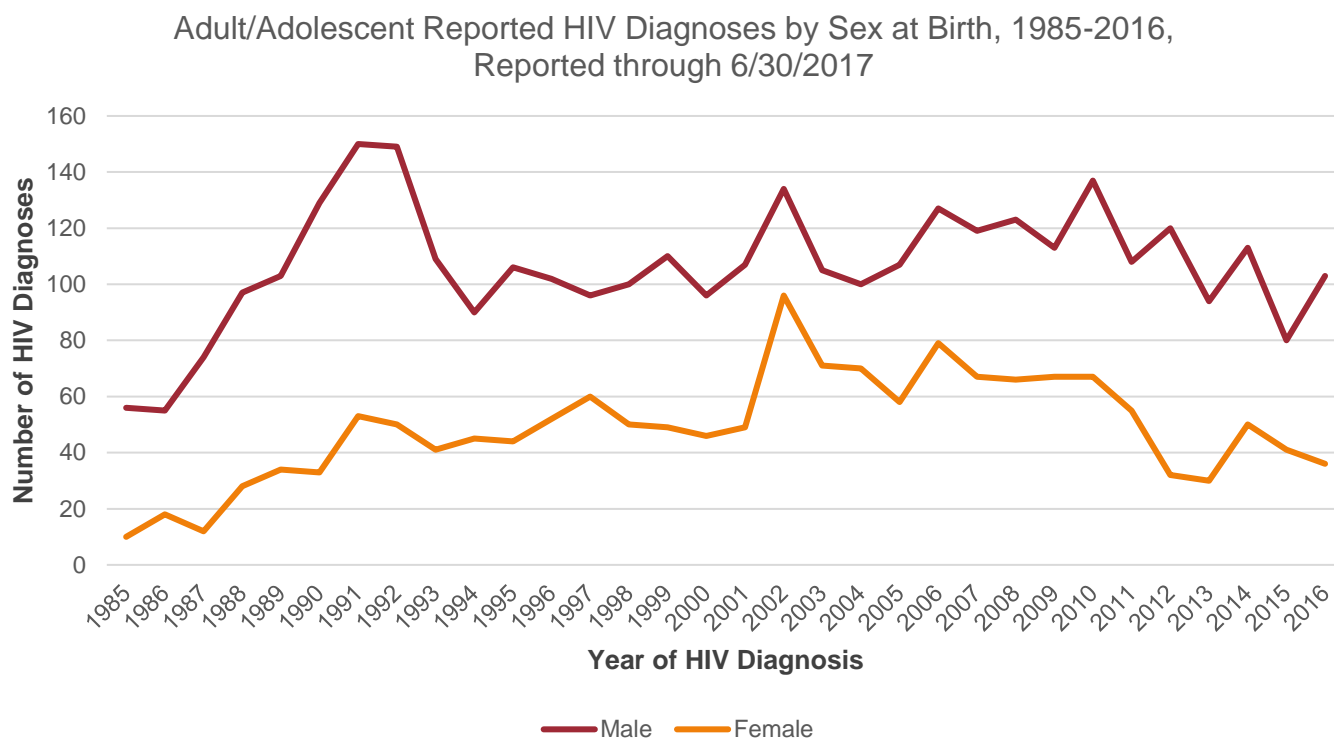
Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Living HIV Cases without AIDS, Living HIV Cases with AIDS, and Total Living HIV Cases) from 1985 through 2016, as Reported through 6/30/2017



YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES	YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES
1985	77	12	89	2001	520	710	1,230
1986	130	17	147	2002	550	838	1,388
1987	176	43	219	2003	557	900	1,457
1988	246	68	314	2004	571	958	1,529
1989	320	86	406	2005	603	1,011	1,614
1990	400	118	518	2006	642	1,078	1,720
1991	488	179	667	2007	723	1,105	1,828
1992	543	242	785	2008	795	1,155	1,950
1993	503	316	819	2009	880	1,228	2,108
1994	501	312	813	2010	996	1,289	2,285
1995	476	350	826	2011	1,075	1,343	2,418
1996	472	387	859	2012	1,133	1,401	2,534
1997	476	468	944	2013	1,164	1,446	2,610
1998	493	520	1,013	2014	1,256	1,483	2,739
1999	503	587	1,090	2015	1,304	1,504	2,808
2000	514	645	1,159	2016	1,383	1,547	2,930

### Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2016, Reported through 6/30/2017

Number and Percent by Sex at Birth of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2016, as Reported through 6/30/2017

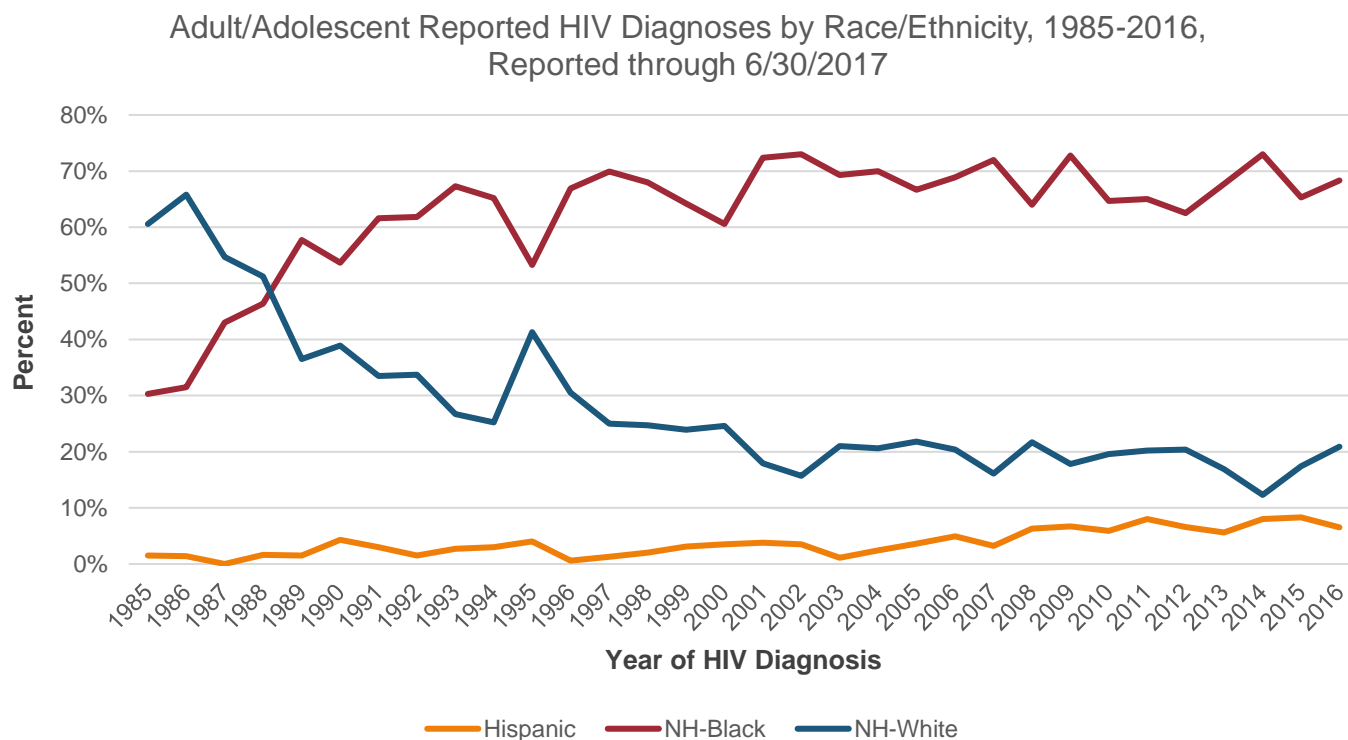
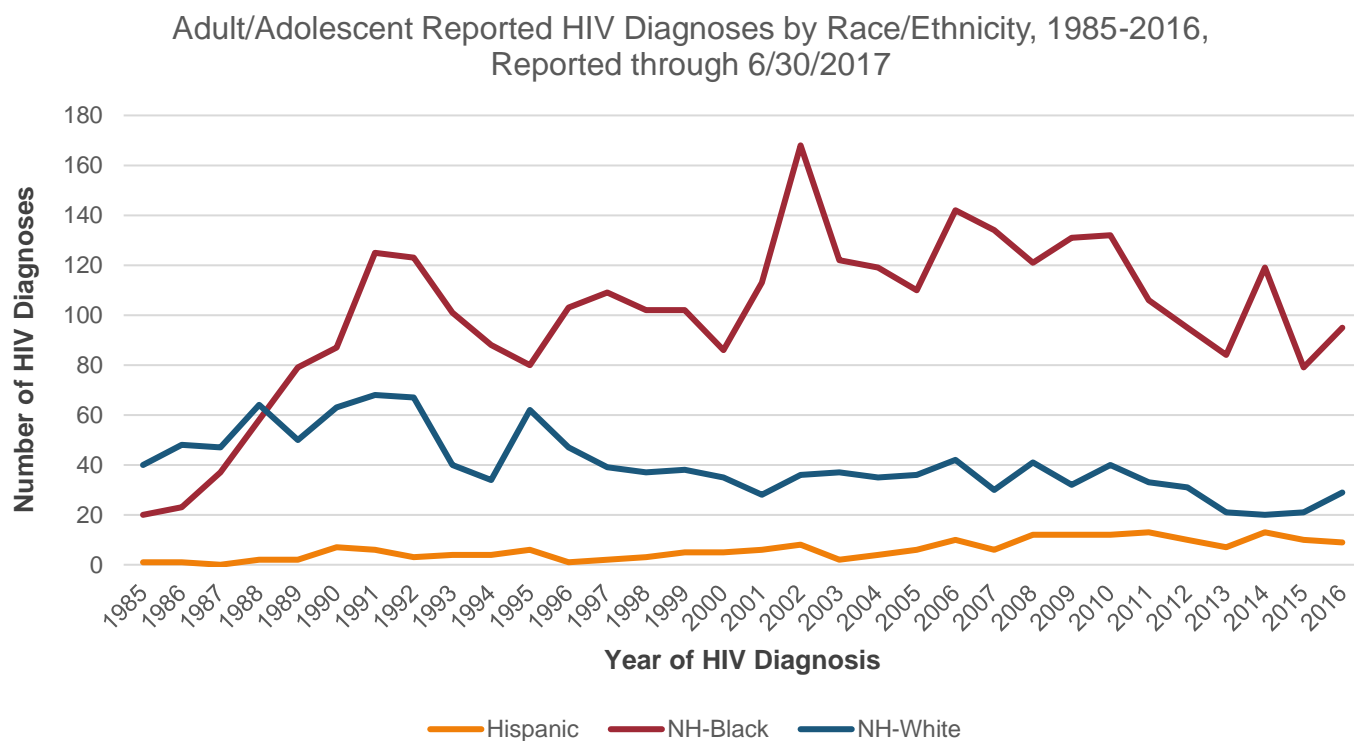


**ADULT/ADOLESCENT REPORTED HIV DIAGNOSES**

YEAR OF HIV DIAGNOSIS	No.	SEX AT BIRTH			
		Male		Female	
		No.	%	No.	%
<1985	39	33	84.6%	6	15.4%
1985	66	56	84.8%	10	15.2%
1986	73	55	75.3%	18	24.7%
1987	86	74	86.0%	12	14.0%
1988	125	97	77.6%	28	22.4%
1989	137	103	75.2%	34	24.8%
1990	162	129	79.6%	33	20.4%
1991	203	150	73.9%	53	26.1%
1992	199	149	74.9%	50	25.1%
1993	150	109	72.7%	41	27.3%
1994	135	90	66.7%	45	33.3%
1995	150	106	70.7%	44	29.3%
1996	154	102	66.2%	52	33.8%
1997	156	96	61.5%	60	38.5%
1998	150	100	66.7%	50	33.3%
1999	159	110	69.2%	49	30.8%
2000	142	96	67.6%	46	32.4%
2001	156	107	68.6%	49	31.4%
2002	230	134	58.3%	96	41.7%
2003	176	105	59.7%	71	40.3%
2004	170	100	58.8%	70	41.2%
2005	165	107	64.8%	58	35.2%
2006	206	127	61.7%	79	38.3%
2007	186	119	64.0%	67	36.0%
2008	189	123	65.1%	66	34.9%
2009	180	113	62.8%	67	37.2%
2010	204	137	67.2%	67	32.8%
2011	163	108	66.3%	55	33.7%
2012	152	120	78.9%	32	21.1%
2013	124	94	75.8%	30	24.2%
2014	163	113	69.3%	50	30.7%
2015	121	80	66.1%	41	33.9%
2016	139	103	74.1%	36	25.9%
TOTAL	5,010	3,445	68.8%	1,565	31.2%

## Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2016, Reported through 6/30/2017

Number and Percent by Race/Ethnicity of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2016, as Reported through 6/30/2017



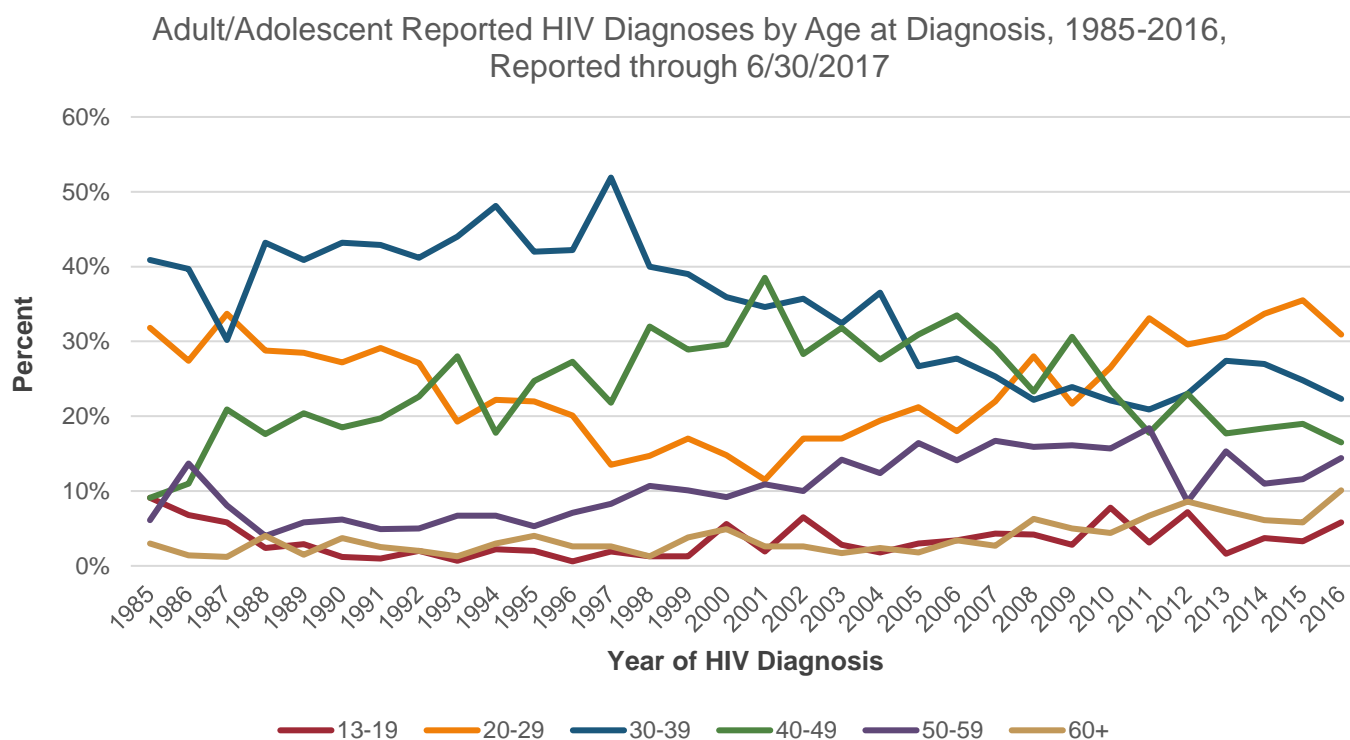
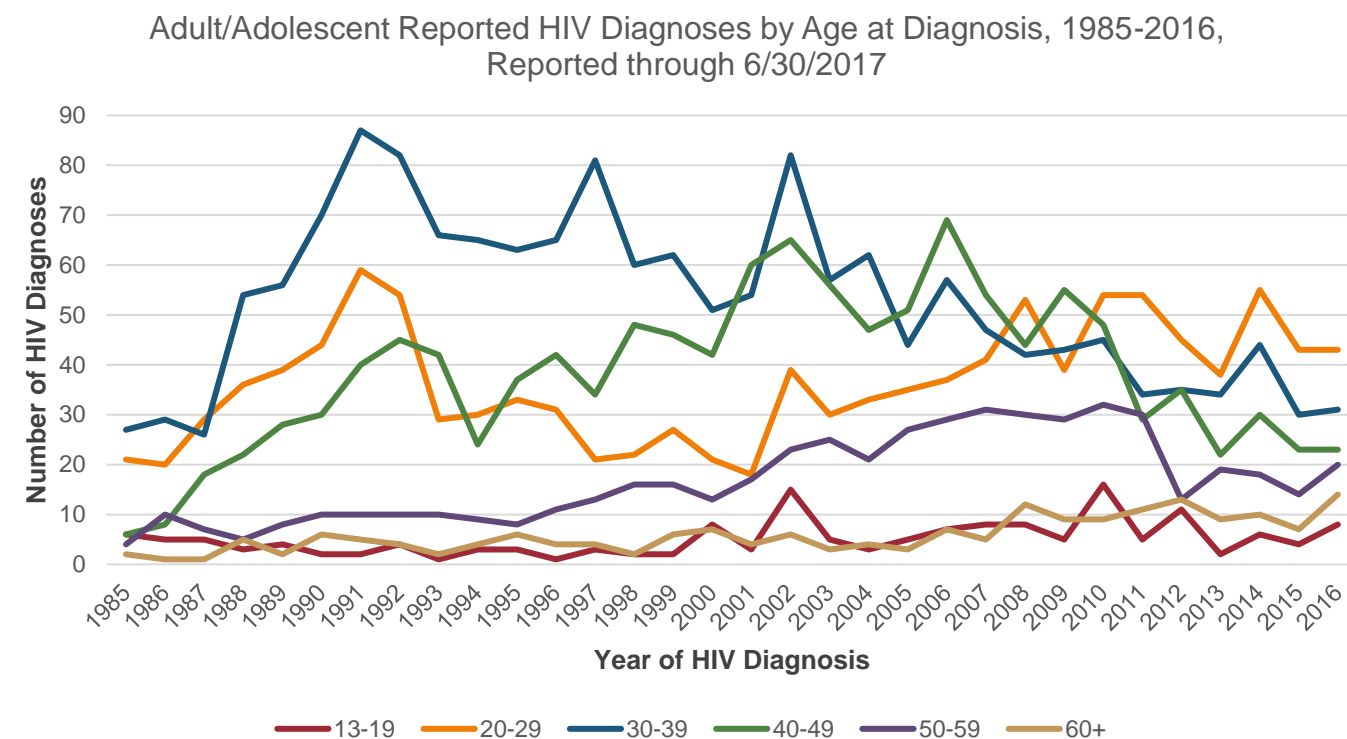
Non-Hispanic Other race not shown

YEAR OF HIV DIAGNOSIS	No.	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
		RACE/ETHNICITY							
		Hispanic		Non-Hispanic Black, only		Non-Hispanic White, only		Non-Hispanic Other Race	
		No.	%	No.	%	No.	%	No.	%
<1985	39	2	5.1%	17	43.6%	17	43.6%	3	7.7%
1985	66	1	1.5%	20	30.3%	40	60.6%	5	7.6%
1986	73	1	1.4%	23	31.5%	48	65.8%	1	1.4%
1987	86	0	0.0%	37	43.0%	47	54.7%	2	2.3%
1988	125	2	1.6%	58	46.4%	64	51.2%	1	0.8%
1989	137	2	1.5%	79	57.7%	50	36.5%	6	4.4%
1990	162	7	4.3%	87	53.7%	63	38.9%	5	3.1%
1991	203	6	3.0%	125	61.6%	68	33.5%	4	2.0%
1992	199	3	1.5%	123	61.8%	67	33.7%	6	3.0%
1993	150	4	2.7%	101	67.3%	40	26.7%	5	3.3%
1994	135	4	3.0%	88	65.2%	34	25.2%	9	6.7%
1995	150	6	4.0%	80	53.3%	62	41.3%	2	1.3%
1996	154	1	0.6%	103	66.9%	47	30.5%	3	1.9%
1997	156	2	1.3%	109	69.9%	39	25.0%	6	3.8%
1998	150	3	2.0%	102	68.0%	37	24.7%	8	5.3%
1999	159	5	3.1%	102	64.2%	38	23.9%	14	8.8%
2000	142	5	3.5%	86	60.6%	35	24.6%	16	11.3%
2001	156	6	3.8%	113	72.4%	28	17.9%	9	5.8%
2002	230	8	3.5%	168	73.0%	36	15.7%	18	7.8%
2003	176	2	1.1%	122	69.3%	37	21.0%	15	8.5%
2004	170	4	2.4%	119	70.0%	35	20.6%	12	7.1%
2005	165	6	3.6%	110	66.7%	36	21.8%	13	7.9%
2006	206	10	4.9%	142	68.9%	42	20.4%	12	5.8%
2007	186	6	3.2%	134	72.0%	30	16.1%	16	8.6%
2008	189	12	6.3%	121	64.0%	41	21.7%	15	7.9%
2009	180	12	6.7%	131	72.8%	32	17.8%	5	2.8%
2010	204	12	5.9%	132	64.7%	40	19.6%	20	9.8%
2011	163	13	8.0%	106	65.0%	33	20.2%	11	6.7%
2012	152	10	6.6%	95	62.5%	31	20.4%	16	10.5%
2013	124	7	5.6%	84	67.7%	21	16.9%	12	9.7%
2014	163	13	8.0%	119	73.0%	20	12.3%	11	6.7%
2015	121	10	8.3%	79	65.3%	21	17.4%	11	9.1%
2016	139	9	6.5%	95	68.3%	29	20.9%	6	4.3%
TOTAL	5,010	194	3.9%	3,210	64.1%	1,308	26.1%	298	5.9%



**Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2016, Reported through 6/30/2017**

Number and Percent by Age at HIV Diagnosis of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2016, as Reported through 6/30/2017

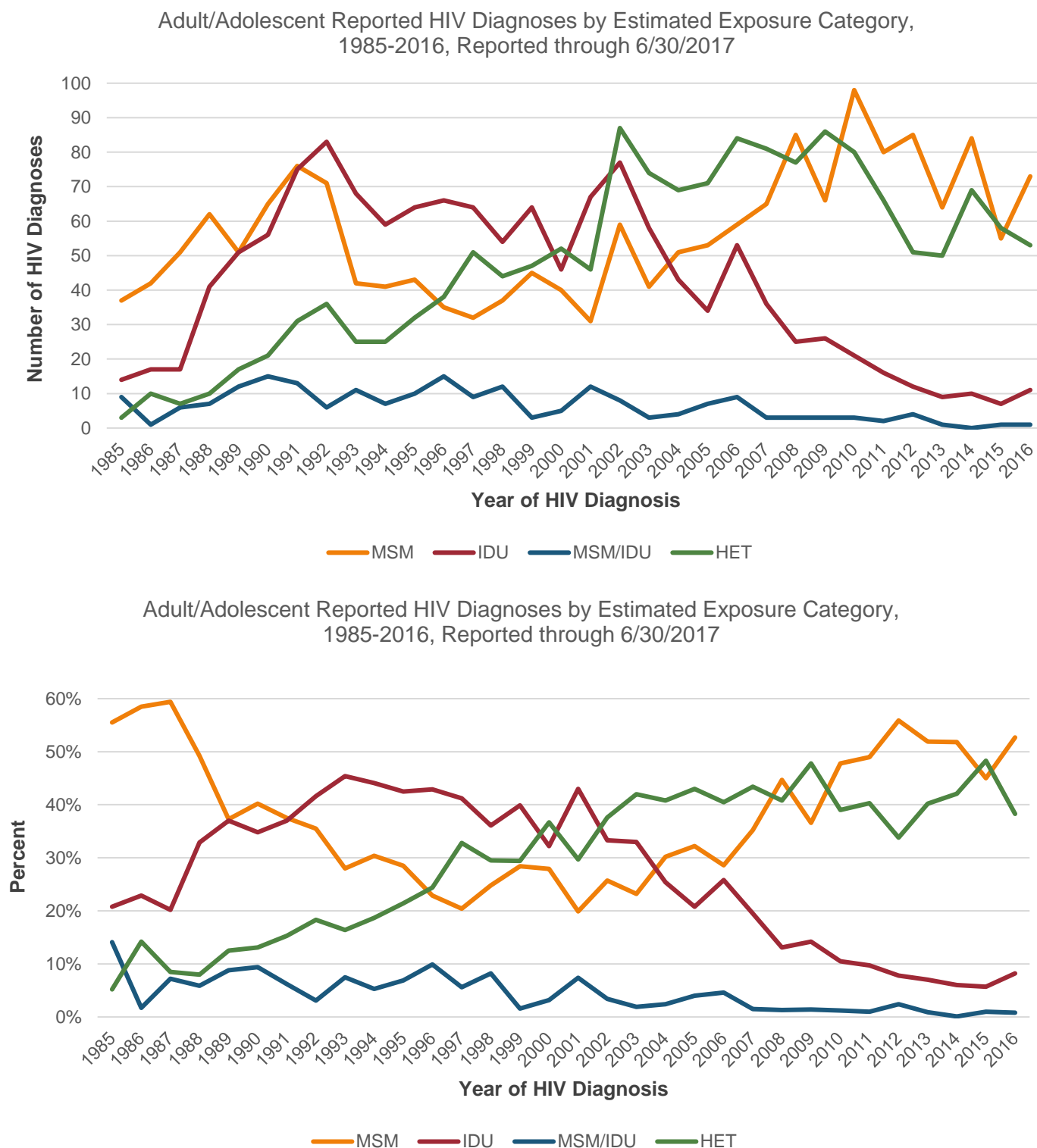


**ADULT/ADOLESCENT REPORTED HIV DIAGNOSES**

YEAR OF HIV DIAGNOSIS	No.	AGE AT HIV DIAGNOSIS											
		Age 13-19		Age 20-29		Age 30-39		Age 40-49		Age 50-59		Age 60+	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1985	39	5	12.8%	17	43.6%	8	20.5%	7	17.9%	2	5.1%	0	0.0%
1985	66	6	9.1%	21	31.8%	27	40.9%	6	9.1%	4	6.1%	2	3.0%
1986	73	5	6.8%	20	27.4%	29	39.7%	8	11.0%	10	13.7%	1	1.4%
1987	86	5	5.8%	29	33.7%	26	30.2%	18	20.9%	7	8.1%	1	1.2%
1988	125	3	2.4%	36	28.8%	54	43.2%	22	17.6%	5	4.0%	5	4.0%
1989	137	4	2.9%	39	28.5%	56	40.9%	28	20.4%	8	5.8%	2	1.5%
1990	162	2	1.2%	44	27.2%	70	43.2%	30	18.5%	10	6.2%	6	3.7%
1991	203	2	1.0%	59	29.1%	87	42.9%	40	19.7%	10	4.9%	5	2.5%
1992	199	4	2.0%	54	27.1%	82	41.2%	45	22.6%	10	5.0%	4	2.0%
1993	150	1	0.7%	29	19.3%	66	44.0%	42	28.0%	10	6.7%	2	1.3%
1994	135	3	2.2%	30	22.2%	65	48.1%	24	17.8%	9	6.7%	4	3.0%
1995	150	3	2.0%	33	22.0%	63	42.0%	37	24.7%	8	5.3%	6	4.0%
1996	154	1	0.6%	31	20.1%	65	42.2%	42	27.3%	11	7.1%	4	2.6%
1997	156	3	1.9%	21	13.5%	81	51.9%	34	21.8%	13	8.3%	4	2.6%
1998	150	2	1.3%	22	14.7%	60	40.0%	48	32.0%	16	10.7%	2	1.3%
1999	159	2	1.3%	27	17.0%	62	39.0%	46	28.9%	16	10.1%	6	3.8%
2000	142	8	5.6%	21	14.8%	51	35.9%	42	29.6%	13	9.2%	7	4.9%
2001	156	3	1.9%	18	11.5%	54	34.6%	60	38.5%	17	10.9%	4	2.6%
2002	230	15	6.5%	39	17.0%	82	35.7%	65	28.3%	23	10.0%	6	2.6%
2003	176	5	2.8%	30	17.0%	57	32.4%	56	31.8%	25	14.2%	3	1.7%
2004	170	3	1.8%	33	19.4%	62	36.5%	47	27.6%	21	12.4%	4	2.4%
2005	165	5	3.0%	35	21.2%	44	26.7%	51	30.9%	27	16.4%	3	1.8%
2006	206	7	3.4%	37	18.0%	57	27.7%	69	33.5%	29	14.1%	7	3.4%
2007	186	8	4.3%	41	22.0%	47	25.3%	54	29.0%	31	16.7%	5	2.7%
2008	189	8	4.2%	53	28.0%	42	22.2%	44	23.3%	30	15.9%	12	6.3%
2009	180	5	2.8%	39	21.7%	43	23.9%	55	30.6%	29	16.1%	9	5.0%
2010	204	16	7.8%	54	26.5%	45	22.1%	48	23.5%	32	15.7%	9	4.4%
2011	163	5	3.1%	54	33.1%	34	20.9%	29	17.8%	30	18.4%	11	6.7%
2012	152	11	7.2%	45	29.6%	35	23.0%	35	23.0%	13	8.6%	13	8.6%
2013	124	2	1.6%	38	30.6%	34	27.4%	22	17.7%	19	15.3%	9	7.3%
2014	163	6	3.7%	55	33.7%	44	27.0%	30	18.4%	18	11.0%	10	6.1%
2015	121	4	3.3%	43	35.5%	30	24.8%	23	19.0%	14	11.6%	7	5.8%
2016	139	8	5.8%	43	30.9%	31	22.3%	23	16.5%	20	14.4%	14	10.1%
TOTAL	5,010	170	3.4%	1,190	23.8%	1,693	33.8%	1,230	24.6%	540	10.8%	187	3.7%

## Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Estimated Exposure Category, 1985-2016, Reported through 6/30/2017

Number and Percent by Estimated Exposure Category<sup>§</sup> of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2016, as Reported through 6/30/2017



<sup>§</sup> Multiple imputation was used to estimate and adjust for missing transmission category.

YEAR OF HIV DIAGNOSIS	No.**	% with No Reported Exposure*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES									
			ESTIMATED EXPOSURE CATEGORY§									
			MSM		IDU		MSM/IDU		HET		Other Exposure	
			No.	%	No.	%	No.	%	No.	%	No.	%
<1985	39	0.0%	20	51.3%	10	25.6%	4	10.3%	2	5.1%	3	7.7%
1985	66	4.5%	37	55.5%	14	20.8%	9	14.1%	3	5.2%	3	4.5%
1986	73	12.3%	42	58.5%	17	22.9%	1	1.7%	10	14.2%	2	2.8%
1987	86	2.3%	51	59.4%	17	20.2%	6	7.2%	7	8.5%	4	4.7%
1988	125	5.6%	62	49.2%	41	32.9%	7	5.9%	10	8.0%	5	4.0%
1989	137	2.9%	51	37.3%	51	37.0%	12	8.8%	17	12.5%	6	4.4%
1990	162	4.3%	65	40.2%	56	34.8%	15	9.4%	21	13.1%	4	2.5%
1991	203	4.9%	76	37.5%	75	37.0%	13	6.2%	31	15.3%	8	3.9%
1992	199	5.0%	71	35.5%	83	41.6%	6	3.1%	36	18.3%	3	1.5%
1993	150	4.7%	42	28.0%	68	45.4%	11	7.5%	25	16.4%	4	2.7%
1994	135	5.2%	41	30.4%	59	44.1%	7	5.3%	25	18.7%	2	1.5%
1995	150	7.3%	43	28.5%	64	42.5%	10	6.9%	32	21.4%	1	0.7%
1996	154	7.1%	35	22.9%	66	42.9%	15	9.9%	38	24.4%	0	0.0%
1997	156	5.1%	32	20.4%	64	41.2%	9	5.6%	51	32.8%	0	0.0%
1998	150	4.7%	37	24.8%	54	36.1%	12	8.2%	44	29.5%	2	1.3%
1999	159	8.8%	45	28.4%	64	39.9%	3	1.6%	47	29.4%	1	0.6%
2000	142	9.2%	40	27.9%	46	32.2%	5	3.2%	52	36.7%	0	0.0%
2001	156	9.6%	31	19.9%	67	43.0%	12	7.4%	46	29.7%	0	0.0%
2002	230	13.5%	59	25.7%	77	33.3%	8	3.4%	87	37.6%	0	0.0%
2003	176	8.5%	41	23.2%	58	33.0%	3	1.9%	74	42.0%	0	0.0%
2004	170	9.4%	51	30.2%	43	25.4%	4	2.4%	69	40.8%	2	1.2%
2005	165	12.7%	53	32.2%	34	20.8%	7	4.0%	71	43.0%	0	0.0%
2006	206	14.6%	59	28.6%	53	25.8%	9	4.6%	84	40.5%	1	0.5%
2007	186	17.7%	65	35.2%	36	19.5%	3	1.5%	81	43.4%	1	0.5%
2008	189	36.0%	85	44.7%	25	13.1%	3	1.3%	77	40.8%	0	0.0%
2009	180	21.7%	66	36.6%	26	14.2%	3	1.4%	86	47.8%	0	0.0%
2010	204	32.8%	98	47.8%	21	10.5%	3	1.2%	80	39.0%	3	1.5%
2011	163	35.0%	80	49.0%	16	9.7%	2	1.0%	66	40.3%	0	0.0%
2012	152	22.4%	85	55.9%	12	7.8%	4	2.4%	51	33.8%	0	0.0%
2013	124	9.7%	64	51.9%	9	7.0%	1	0.9%	50	40.2%	0	0.0%
2014	163	8.0%	84	51.8%	10	6.0%	0	0.1%	69	42.1%	0	0.0%
2015	121	13.2%	55	45.0%	7	5.7%	1	1.0%	58	48.3%	0	0.0%
2016	139	33.8%	73	52.7%	11	8.2%	1	0.8%	53	38.3%	0	0.0%
TOTAL	5,010	12.9%	1,838	36.7%	1,353	27.0%	209	4.2%	1,554	31.0%	55	1.1%

§ Multiple imputation was used to estimate and adjust for missing transmission category.

\*Percent with no reported exposure prior to multiple imputation adjustment.

\*\* Discrepancies in the table between total HIV diagnoses and the sums by exposure category are due to less than 1% of cases missing transmission category after multiple imputation.

## Section III – Adult/Adolescent Cases by Jurisdiction

**Table 1 – Adult/Adolescent HIV Diagnoses during 2016, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 6/30/2017**

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.		%	Median Count
21013	2,827	0	0.0%	0.0	0.0%	0.0%	0.0%	0.0%	--
21030	21,414	1	0.7%	4.7	***	***	***	***	***
21031	3	0	0.0%	0.0	--	--	--	--	--
21043	794	0	0.0%	0.0	--	--	--	--	--
21051	251	0	0.0%	0.0	--	--	--	--	--
21052	280	0	0.0%	0.0	--	--	--	--	--
21053	2,855	0	0.0%	0.0	--	--	--	--	--
21057	3,718	0	0.0%	0.0	--	--	--	--	--
21071	450	0	0.0%	0.0	--	--	--	--	--
21074	1,227	0	0.0%	0.0	--	--	--	--	--
21082	551	0	0.0%	0.0	--	--	--	--	--
21085	23	0	0.0%	0.0	--	--	--	--	--
21087	4,208	0	0.0%	0.0	--	--	--	--	--
21093	32,411	0	0.0%	0.0	--	--	--	--	--
21102	868	0	0.0%	0.0	--	--	--	--	--
21104	140	0	0.0%	0.0	--	--	--	--	--
21105	60	0	0.0%	0.0	--	--	--	--	--
21111	3,388	0	0.0%	0.0	--	--	--	--	--
21117	46,270	10	7.2%	21.6	90.0%	90.0%	***	80.0%	273
21120	6,041	0	0.0%	0.0	--	--	--	--	--
21128	10,851	0	0.0%	0.0	--	--	--	--	--
21131	6,216	0	0.0%	0.0	--	--	--	--	--
21133	25,722	18	12.9%	70.0	94.4%	94.4%	***	77.8%	436
21136	27,979	3	2.2%	10.7	***	***	***	***	***
21152	4,781	0	0.0%	0.0	--	--	--	--	--
21153	270	0	0.0%	0.0	--	--	--	--	--
21155	1,845	0	0.0%	0.0	--	--	--	--	--
21156	329	0	0.0%	0.0	--	--	--	--	--
21161	2,381	1	0.7%	42.0	***	***	***	***	***
21162	3,150	1	0.7%	31.7	***	***	***	***	***
21163	2,367	0	0.0%	0.0	--	--	--	--	--
21204	18,845	2	1.4%	10.6	***	***	***	***	***
21206	8,969	2	1.4%	22.3	***	***	***	***	***
21207	29,348	11	7.9%	37.5	90.9%	90.9%	***	90.9%	604
21208	28,635	6	4.3%	21.0	66.7%	83.3%	***	***	***
21209	11,999	0	0.0%	0.0	--	--	--	--	--
21210	870	0	0.0%	0.0	--	--	--	--	--
21212	8,915	2	1.4%	22.4	***	***	***	***	***
21215	1,511	1	0.7%	66.2	***	***	***	***	***
21219	8,329	1	0.7%	12.0	***	***	***	***	***
21220	33,590	5	3.6%	14.9	***	***	***	***	***
21221	36,214	9	6.5%	24.9	77.8%	77.8%	0.0%	77.8%	341

21222	46,616	8	5.8%	17.2	87.5%	87.5%	***	75.0%	588
21224	7,440	0	0.0%	0.0	--	--	--	--	--
21227	27,884	8	5.8%	28.7	100.0%	100.0%	***	62.5%	399
21228	41,875	8	5.8%	19.1	75.0%	100.0%	***	100.0%	280
21229	6,079	2	1.4%	32.9	***	***	***	***	***
21234	54,401	6	4.3%	11.0	100.0%	100.0%	0.0%	83.3%	454
21236	33,421	10	7.2%	29.9	80.0%	90.0%	***	90.0%	328
21237	25,954	8	5.8%	30.8	75.0%	87.5%	***	100.0%	312
21239	4,435	0	0.0%	0.0	--	--	--	--	--
21244	29,018	11	7.9%	37.9	72.7%	90.9%	54.5%	90.9%	247
21250	3,306	0	0.0%	0.0	--	--	--	--	--
21252	2,963	0	0.0%	0.0	--	--	--	--	--
21286	17,507	5	3.6%	28.6	80.0%	100.0%	0.0%	***	***
Unknown	--	0	0.0%	0.0	--	--	--	--	--
<b>TOTAL</b>	701,795	139	100.0%	19.8	83.5%	89.9%	24.5%	84.9%	368

\*\*\* Data withheld due to low population counts and/or case counts

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2016.

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Rate:** Number of adult/adolescent HIV diagnoses divided by the population age 13 years or older and multiplied by 100,000.

**Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

**Late HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**First CD4 Test Result Percent:** Percent of adult/adolescent reported HIV diagnoses with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

**First CD4 Test Result Median Count:** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Table 2 – Adult/Adolescent AIDS Diagnoses during 2016, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction of Residence at AIDS Diagnosis, Reported through 6/30/2017**

JURISDICTION OF RESIDENCE AT AIDS DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
21013	2,827	0	0.0%	0.0	--	--
21030	21,414	0	0.0%	0.0	--	--
21031	3	0	0.0%	0.0	--	--
21043	794	0	0.0%	0.0	--	--
21051	251	0	0.0%	0.0	--	--
21052	280	0	0.0%	0.0	--	--
21053	2,855	0	0.0%	0.0	--	--
21057	3,718	0	0.0%	0.0	--	--
21071	450	0	0.0%	0.0	--	--
21074	1,227	0	0.0%	0.0	--	--
21082	551	0	0.0%	0.0	--	--
21085	23	0	0.0%	0.0	--	--
21087	4,208	0	0.0%	0.0	--	--
21093	32,411	0	0.0%	0.0	--	--
21102	868	0	0.0%	0.0	--	--
21104	140	0	0.0%	0.0	--	--
21105	60	0	0.0%	0.0	--	--
21111	3,388	0	0.0%	0.0	--	--
21117	46,270	6	9.5%	13.0	4.7	66.7%
21120	6,041	0	0.0%	0.0	--	--
21128	10,851	0	0.0%	0.0	--	--
21131	6,216	0	0.0%	0.0	--	--
21133	25,722	6	9.5%	23.3	2.0	66.7%
21136	27,979	2	3.2%	7.1	***	***
21152	4,781	0	0.0%	0.0	--	--
21153	270	0	0.0%	0.0	--	--
21155	1,845	0	0.0%	0.0	--	--
21156	329	0	0.0%	0.0	--	--
21161	2,381	0	0.0%	0.0	--	--
21162	3,150	0	0.0%	0.0	--	--
21163	2,367	0	0.0%	0.0	--	--
21204	18,845	1	1.6%	5.3	***	***
21206	8,969	1	1.6%	11.1	***	***
21207	29,348	7	11.1%	23.9	3.6	42.9%
21208	28,635	4	6.3%	14.0	***	***
21209	11,999	1	1.6%	8.3	***	***
21210	870	0	0.0%	0.0	--	--
21212	8,915	1	1.6%	11.2	***	***
21215	1,511	1	1.6%	66.2	***	***
21219	8,329	0	0.0%	0.0	--	--
21220	33,590	5	7.9%	14.9	6.5	40.0%
21221	36,214	4	6.3%	11.0	***	***
21222	46,616	2	3.2%	4.3	***	***
21224	7,440	0	0.0%	0.0	--	--
21227	27,884	1	1.6%	3.6	***	***



21228	41,875	5	7.9%	11.9	2.0	80.0%
21229	6,079	0	0.0%	0.0	--	--
21234	54,401	3	4.8%	5.5	***	***
21236	33,421	2	3.2%	6.0	***	***
21237	25,954	4	6.3%	15.4	***	***
21239	4,435	0	0.0%	0.0	--	--
21244	29,018	7	11.1%	24.1	3.6	71.4%
21250	3,306	0	0.0%	0.0	--	--
21252	2,963	0	0.0%	0.0	--	--
21286	17,507	0	0.0%	0.0	--	--
Unknown	--	0	0.0%	--	--	--
<b>TOTAL</b>	701,795	63	100.0%	9.0	4.8	49.2%

\*\*\* Data withheld due to low population counts and/or case counts

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2016.

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Rate:** Number of adult/adolescent AIDS diagnoses divided by the population age 13 years or older and multiplied by 100,000.

**Mean Years from HIV Diagnosis:** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Percent Late HIV Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2016, by Jurisdiction of Residence at Diagnosis, Reported through 6/30/2017**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
21013	2,827	1	0.1%	35.4	1	0.1%	35.4	2	0.1%	70.8	1,413
21030	21,414	21	1.5%	98.1	40	2.6%	186.8	61	2.1%	284.9	351
21031	3	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
21043	794	***	***	***	***	***	***	***	***	***	***
21051	251	***	***	***	***	***	***	***	***	***	***
21052	280	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
21053	2,855	1	0.1%	35.0	3	0.2%	105.1	4	0.1%	140.1	713
21057	3,718	1	0.1%	26.9	0	0.0%	0.0	1	0.0%	26.9	3,718
21071	450	***	***	***	***	***	***	***	***	***	***
21074	1,227	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
21082	551	***	***	***	***	***	***	***	***	***	***
21085	23	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
21087	4,208	2	0.1%	47.5	1	0.1%	23.8	3	0.1%	71.3	1,402
21093	32,411	17	1.3%	52.5	22	1.4%	67.9	39	1.4%	120.3	831
21102	868	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
21104	140	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
21105	60	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
21111	3,388	2	0.1%	59.0	2	0.1%	59.0	4	0.1%	118.1	846
21117	46,270	104	7.7%	224.8	102	6.7%	220.4	206	7.2%	445.2	224
21120	6,041	2	0.1%	33.1	4	0.3%	66.2	6	0.2%	99.3	1,006
21128	10,851	5	0.4%	46.1	8	0.5%	73.7	13	0.5%	119.8	834
21131	6,216	3	0.2%	48.3	1	0.1%	16.1	4	0.1%	64.4	1,553
21133	25,722	121	8.9%	470.4	125	8.2%	486.0	246	8.5%	956.4	104
21136	27,979	52	3.8%	185.9	40	2.6%	143.0	92	3.2%	328.8	304
21152	4,781	2	0.1%	41.8	5	0.3%	104.6	7	0.2%	146.4	682
21153	270	***	***	***	***	***	***	***	***	***	***
21155	1,845	1	0.1%	54.2	0	0.0%	0.0	1	0.0%	54.2	1,845
21156	329	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
21161	2,381	1	0.1%	42.0	1	0.1%	42.0	2	0.1%	84.0	1,190
21162	3,150	3	0.2%	95.2	1	0.1%	31.7	4	0.1%	127.0	787
21163	2,367	8	0.6%	338.0	2	0.1%	84.5	10	0.3%	422.5	236
21204	18,845	19	1.4%	100.8	21	1.4%	111.4	40	1.4%	212.3	471
21206	8,969	17	1.3%	189.5	21	1.4%	234.1	38	1.3%	423.7	236
21207	29,348	113	8.3%	385.0	143	9.4%	487.3	256	8.9%	872.3	114
21208	28,635	64	4.7%	223.5	74	4.8%	258.4	138	4.8%	481.9	207
21209	11,999	13	1.0%	108.3	13	0.9%	108.3	26	0.9%	216.7	461
21210	870	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
21212	8,915	7	0.5%	78.5	8	0.5%	89.7	15	0.5%	168.2	594
21215	1,511	5	0.4%	330.8	7	0.5%	463.2	12	0.4%	794.0	125
21219	8,329	6	0.4%	72.0	15	1.0%	180.1	21	0.7%	252.1	396
21220	33,590	63	4.6%	187.6	56	3.7%	166.7	119	4.1%	354.3	282
21221	36,214	95	7.0%	262.3	110	7.2%	303.8	205	7.1%	566.1	176
21222	46,616	80	5.9%	171.6	109	7.1%	233.8	189	6.6%	405.4	246
21224	7,440	6	0.4%	80.6	12	0.8%	161.3	18	0.6%	241.9	413
21227	27,884	51	3.8%	182.9	70	4.6%	251.0	121	4.2%	433.9	230

21228	41,875	44	3.2%	105.1	80	5.2%	191.0	124	4.3%	296.1	337
21229	6,079	17	1.3%	279.6	16	1.0%	263.2	33	1.1%	542.8	184
21234	54,401	117	8.6%	215.1	104	6.8%	191.2	221	7.7%	406.2	246
21236	33,421	43	3.2%	128.7	38	2.5%	113.7	81	2.8%	242.4	412
21237	25,954	53	3.9%	204.2	66	4.3%	254.3	119	4.1%	458.5	218
21239	4,435	9	0.7%	202.9	8	0.5%	180.4	17	0.6%	383.3	260
21244	29,018	155	11.4%	534.1	164	10.7%	565.2	319	11.1%	1,099.3	90
21250	3,306	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
21252	2,963	1	0.1%	33.8	0	0.0%	0.0	1	0.0%	33.8	2,963
21286	17,507	27	2.0%	154.2	25	1.6%	142.8	52	1.8%	297.0	336
Unknown	--	2	0.1%	--	3	0.2%	--	5	0.2%	--	--
<b>TOTAL</b>	701,795	1,355	100.0%	193.1	1,526	100.0%	217.4	2,881	100.0%	410.5	243

\*\*\* Data withheld due to low population counts and/or case counts

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2016.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** Number of adult/adolescent cases divided by the population age 13 years or older multiplied by 100,000.

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 4 – Adult/Adolescent HIV Cases Alive on 12/31/2016, by Jurisdiction of Residence at Diagnosis or Current Residence, Reported through 6/30/2017**

Jurisdiction of Residence	Population Age 13+	Adult/Adolescent Total Living HIV Cases								
		Residence at Diagnosis				Current Residence				% Change
		No.	% of Total	Rate	Ratio (1 in X)	No.	% of Total	Rate	Ratio (1 in X)	
21013	2,827	2	0.1%	70.8	1,413	2	0.1%	70.8	1,413	0.0%
21030	21,414	61	2.1%	284.9	351	78	2.4%	364.3	274	27.9%
21031	3	***	***	***	***	***	***	***	***	***
21043	794	***	***	***	***	***	***	***	***	***
21051	251	***	***	***	***	***	***	***	***	***
21052	280	0	0.0%	0.0	--	0	0.0%	0.0	--	--
21053	2,855	4	0.1%	140.1	713	6	0.2%	210.2	475	50.0%
21057	3,718	1	0.0%	26.9	3,718	0	0.0%	0.0	--	-100.0%
21071	450	***	***	***	***	***	***	***	***	***
21074	1,227	0	0.0%	0.0	--	0	0.0%	0.0	--	--
21082	551	***	***	***	***	***	***	***	***	***
21085	23	***	***	***	***	***	***	***	***	***
21087	4,208	3	0.1%	71.3	1,402	6	0.2%	142.6	701	100.0%
21093	32,411	39	1.4%	120.3	831	35	1.1%	108.0	926	-10.3%
21102	868	0	0.0%	0.0	--	0	0.0%	0.0	--	--
21104	140	***	***	***	***	***	***	***	***	***
21105	60	0	0.0%	0.0	--	0	0.0%	0.0	--	--
21111	3,388	4	0.1%	118.1	846	4	0.1%	118.1	846	0.0%
21117	46,270	206	7.2%	445.2	224	232	7.0%	501.4	199	12.6%
21120	6,041	6	0.2%	99.3	1,006	6	0.2%	99.3	1,006	0.0%
21128	10,851	13	0.5%	119.8	834	15	0.5%	138.2	723	15.4%
21131	6,216	4	0.1%	64.4	1,553	6	0.2%	96.5	1,035	50.0%
21133	25,722	246	8.5%	956.4	104	282	8.5%	1,096.3	91	14.6%
21136	27,979	92	3.2%	328.8	304	98	3.0%	350.3	285	6.5%
21152	4,781	7	0.2%	146.4	682	4	0.1%	83.7	1,195	-42.9%
21153	270	***	***	***	***	***	***	***	***	***
21155	1,845	1	0.0%	54.2	1,845	0	0.0%	0.0	--	-100.0%
21156	329	0	0.0%	0.0	--	0	0.0%	0.0	--	--
21161	2,381	2	0.1%	84.0	1,190	1	0.0%	42.0	2,381	-50.0%
21162	3,150	4	0.1%	127.0	787	7	0.2%	222.2	449	75.0%
21163	2,367	10	0.3%	422.5	236	15	0.5%	633.8	157	50.0%
21204	18,845	40	1.4%	212.3	471	49	1.5%	260.0	384	22.5%
21206	8,969	38	1.3%	423.7	236	69	2.1%	769.3	129	81.6%
21207	29,348	256	8.9%	872.3	114	353	10.7%	1,202.8	83	37.9%
21208	28,635	138	4.8%	481.9	207	142	4.3%	495.9	201	2.9%
21209	11,999	26	0.9%	216.7	461	37	1.1%	308.4	324	42.3%
21210	870	***	***	***	***	***	***	***	***	***
21212	8,915	15	0.5%	168.2	594	22	0.7%	246.8	405	46.7%
21215	1,511	12	0.4%	794.0	125	24	0.7%	1,588.0	62	100.0%
21219	8,329	21	0.7%	252.1	396	14	0.4%	168.1	594	-33.3%
21220	33,590	119	4.1%	354.3	282	158	4.8%	470.4	212	32.8%
21221	36,214	205	7.1%	566.1	176	197	6.0%	544.0	183	-3.9%
21222	46,616	189	6.6%	405.4	246	235	7.1%	504.1	198	24.3%
21224	7,440	18	0.6%	241.9	413	22	0.7%	295.7	338	22.2%
21227	27,884	121	4.2%	433.9	230	107	3.2%	383.7	260	-11.6%
21228	41,875	124	4.3%	296.1	337	150	4.5%	358.2	279	21.0%

21229	6,079	33	1.1%	542.8	184	55	1.7%	904.7	110	66.7%
21234	54,401	221	7.7%	406.2	246	250	7.6%	459.6	217	13.1%
21236	33,421	81	2.8%	242.4	412	81	2.5%	242.4	412	0.0%
21237	25,954	119	4.1%	458.5	218	147	4.4%	566.4	176	23.5%
21239	4,435	17	0.6%	383.3	260	14	0.4%	315.7	316	-17.6%
21244	29,018	319	11.1%	1,099.3	90	305	9.2%	1,051.1	95	-4.4%
21250	3,306	0	0.0%	0.0	--	0	0.0%	0.0	--	--
21252	2,963	1	0.0%	33.8	2,963	0	0.0%	0.0	--	-100.0%
21286	17,507	52	1.8%	297.0	336	56	1.7%	319.9	312	7.7%
Unknown	--	5	0.2%	--	--	8	0.2%	--	--	60.0%
<b>TOTAL</b>	701,795	2,881	100.0%	410.5	243	3,305	100.0%	470.9	212	14.7%

\*\*\* Data withheld due to low population counts and/or case counts

**Jurisdiction of Residence:** Jurisdiction of residence at diagnosis or current residence.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2016.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Residence at Diagnosis:** Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

**Current Residence:** Jurisdiction of residence from the most recent report since 1/1/2009.

**Rate:** Number of adult/adolescent cases divided by the population age 13 years or older multiplied by 100,000.

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Percent Change:** The percent change in number of adult/adolescent total living HIV cases from residence at diagnosis to current residence.

**Table 5 – CD4 Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Jurisdiction of Current Residence, Reported through 6/30/2017**

JURISDICTION OF CURRENT RESIDENCE	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
21013	2	***	***	***	***	***	***	***
21030	78	50	64.1%	631	12.0%	12.0%	16.0%	60.0%
21031	***	***	***	***	***	***	***	***
21043	***	***	***	***	***	***	***	***
21051	***	***	***	***	***	***	***	***
21052	0	--	--	--	--	--	--	--
21053	6	***	***	***	***	***	***	***
21057	0	--	--	--	--	--	--	--
21071	***	***	***	***	***	***	***	***
21074	0	--	--	--	--	--	--	--
21082	0	--	--	--	--	--	--	--
21085	0	--	--	--	--	--	--	--
21087	6	***	***	***	***	***	***	***
21093	35	17	48.6%	671	5.9%	5.9%	23.5%	64.7%
21102	0	--	--	--	--	--	--	--
21104	***	***	***	***	***	***	***	***
21105	0	--	--	--	--	--	--	--
21111	4	***	***	***	***	***	***	***
21117	232	153	65.9%	537	11.8%	12.4%	18.3%	57.5%
21120	6	***	***	***	***	***	***	***
21128	15	10	66.7%	630	0.0%	0.0%	30.0%	70.0%
21131	6	6	100.0%	505	0.0%	16.7%	33.3%	50.0%
21133	282	186	66.0%	548	11.8%	11.8%	18.8%	57.5%
21136	98	58	59.2%	539	6.9%	17.2%	19.0%	56.9%
21152	4	***	***	***	***	***	***	***
21153	***	***	***	***	***	***	***	***
21155	0	--	--	--	--	--	--	--
21156	0	--	--	--	--	--	--	--
21161	1	***	***	***	***	***	***	***
21162	7	5	71.4%	733	0.0%	20.0%	0.0%	80.0%
21163	15	8	53.3%	701	12.5%	12.5%	0.0%	75.0%
21204	49	35	71.4%	636	5.7%	8.6%	25.7%	60.0%
21206	69	50	72.5%	662	4.0%	8.0%	14.0%	74.0%
21207	353	228	64.6%	564	13.6%	12.7%	18.0%	55.7%
21208	142	90	63.4%	579	5.6%	30.0%	6.7%	57.8%
21209	37	26	70.3%	699	0.0%	11.5%	19.2%	69.2%
21210	***	***	***	***	***	***	***	***
21212	22	16	72.7%	604	12.5%	0.0%	25.0%	62.5%
21215	24	14	58.3%	528	7.1%	14.3%	28.6%	50.0%
21219	14	9	64.3%	667	0.0%	11.1%	33.3%	55.6%
21220	158	111	70.3%	649	6.3%	8.1%	16.2%	69.4%
21221	197	137	69.5%	521	13.1%	14.6%	19.0%	53.3%
21222	235	174	74.0%	583	9.8%	11.5%	17.8%	60.9%
21224	22	12	54.5%	479	16.7%	16.7%	16.7%	50.0%
21227	107	73	68.2%	667	17.8%	11.0%	6.8%	64.4%
21228	150	106	70.7%	551	10.4%	16.0%	18.9%	54.7%

21229	55	33	60.0%	512	18.2%	3.0%	24.2%	54.5%
21234	250	162	64.8%	589	9.9%	11.1%	18.5%	60.5%
21236	81	51	63.0%	510	9.8%	13.7%	25.5%	51.0%
21237	147	107	72.8%	609	8.4%	13.1%	17.8%	60.7%
21239	14	8	57.1%	548	0.0%	12.5%	12.5%	75.0%
21244	305	199	65.2%	590	13.1%	12.1%	14.1%	60.8%
21250	0	--	--	--	--	--	--	--
21252	0	--	--	--	--	--	--	--
21286	56	36	64.3%	668	13.9%	16.7%	5.6%	63.9%
Unknown	8	***	***	***	***	***	***	***
<b>TOTAL</b>	3,305	2,201	66.6%	578	10.6%	12.7%	17.1%	59.6%

\*\*\* Data withheld due to low population counts and/or case counts

**Jurisdiction of Current Residence:** Jurisdiction of residence from the most recent report since 1/1/2009.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year.

**With Test:** Number and percent of adult/adolescent total living HIV cases with a recent CD4 test result.

**Median Count:** Median CD4 count (cells per microliter), among adult/adolescent total living HIV cases, of the most recent CD4 test result measured in the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of adult/adolescent living HIV cases with a recent CD4 test result distributed by the CD4 count results (cells per microliter).



**Table 6 – Viral Load Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Jurisdiction of Current Residence, Reported through 6/30/2017**

JURISDICTION OF CURRENT RESIDENCE	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
21013	2	***	***	***	***
21030	78	43	55.1%	88.4%	36,430
21031	***	***	***	***	***
21043	***	***	***	***	***
21051	***	***	***	***	***
21052	0	--	--	--	--
21053	6	5	83.3%	80.0%	16,295
21057	0	--	--	--	--
21071	***	***	***	***	***
21074	0	--	--	--	--
21082	0	--	--	--	--
21085	0	--	--	--	--
21087	6	5	83.3%	60.0%	27,851
21093	35	20	57.1%	75.0%	4,236
21102	0	0	0.0%	0.0%	--
21104	***	***	***	***	***
21105	0	--	--	--	--
21111	4	***	***	***	***
21117	232	152	65.5%	81.6%	3,594
21120	6	***	***	***	***
21128	15	11	73.3%	100.0%	--
21131	6	***	***	***	***
21133	282	184	65.2%	76.6%	7,553
21136	98	59	60.2%	76.3%	20,155
21152	4	***	***	***	***
21153	***	***	***	***	***
21155	0	--	--	--	--
21156	0	--	--	--	--
21161	1	***	***	***	***
21162	7	***	***	***	***
21163	15	9	60.0%	88.9%	15,958
21204	49	31	63.3%	83.9%	9,650
21206	69	39	56.5%	89.7%	999
21207	353	223	63.2%	79.4%	3,157
21208	142	84	59.2%	84.5%	13,861
21209	37	24	64.9%	91.7%	915
21210	***	***	***	***	***
21212	22	14	63.6%	78.6%	1,670
21215	24	14	58.3%	78.6%	9,790
21219	14	10	71.4%	90.0%	76,700
21220	158	102	64.6%	84.3%	10,545
21221	197	110	55.8%	72.7%	16,526
21222	235	140	59.6%	72.1%	3,560
21224	22	9	40.9%	77.8%	190,024
21227	107	65	60.7%	73.8%	20,450
21228	150	87	58.0%	83.9%	5,079

21229	55	32	58.2%	90.6%	38,582
21234	250	147	58.8%	78.9%	21,524
21236	81	51	63.0%	74.5%	8,263
21237	147	101	68.7%	82.2%	17,820
21239	14	7	50.0%	57.1%	300
21244	305	177	58.0%	80.2%	22,215
21250	0	--	--	--	--
21252	0	--	--	--	--
21286	56	31	55.4%	80.6%	15,735
Unknown	8	***	***	***	***
<b>TOTAL</b>	<b>3,305</b>	<b>2,011</b>	<b>60.8%</b>	<b>79.8%</b>	<b>10,070</b>

\*\*\* Data withheld due to low population counts and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Jurisdiction of Current Residence:** Jurisdiction of residence from the most recent report since 1/1/2009.

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year.

**With Test:** Number and percent of adult/adolescent total living HIV cases with a recent viral load test result.

**Percent Suppressed:** Percent of adult/adolescent total living HIV cases with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

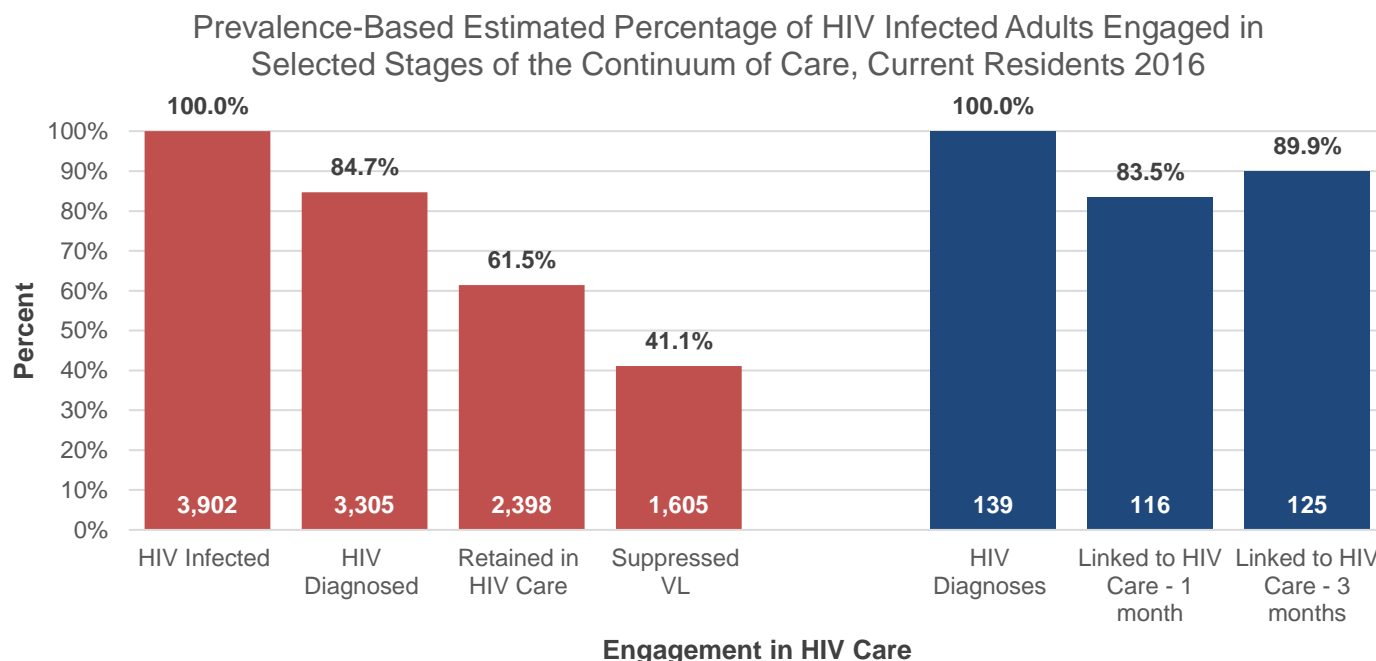
**Median Unsuppressed:** Median unsuppressed viral load (copies per milliliter) among adult/adolescent total living HIV cases with the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

## Section IV – Continuum of Care Cascades

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al.<sup>1</sup> utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

### Figure 7 – Prevalence-Based Estimated Adult/Adolescent 2016 HIV Continuum of Care Cascades, Current Baltimore County Residents, Reported through 6/30/2017

The prevalence-based Baltimore County Engagement in HIV Care Cascade (below) uses the most recent Centers for Disease Control and Prevention (CDC) estimate of the number of undiagnosed persons in Maryland (15.3%)<sup>2</sup> to generate an estimated number of HIV infected persons currently residing in Baltimore County. It then uses Maryland surveillance data to describe the number and percentage of persons living with HIV in Baltimore County on 12/31/2016 and the number and percentage of new HIV diagnoses in 2016 who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	Living HIV Cases		Continuum of Care Stage	New Diagnoses	
	Number	Percentage		Number	Percentage
HIV Infected	3,902	100.0%	New HIV Diagnoses	139	100.0%
HIV Diagnosed	3,305	84.7%	Linked to HIV Care – 1 Month	116	83.5%
Retained in HIV Care	2,398	61.5%	Linked to HIV Care – 3 Months	125	89.9%
Suppressed VL	1,605	41.1%			

**HIV Infected:** HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (15.3%) in Maryland.

**HIV Diagnosed:** Adult/adolescent total living HIV cases as of December 31<sup>st</sup> of the specified year.

**Retained in HIV Care:** HIV Diagnosed with a reported CD4 or viral load test result performed during the specified year.

**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

**New HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Linked to HIV Care – 1 month:** Adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month after their initial HIV diagnosis.

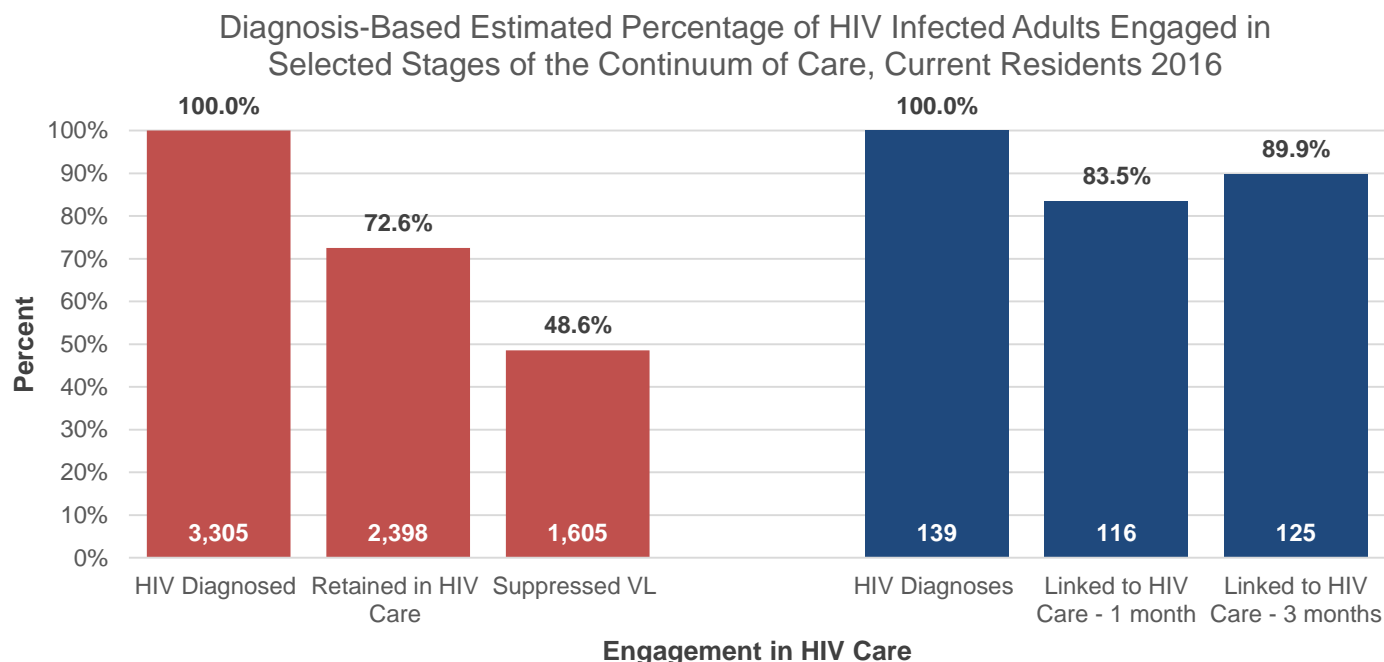
**Linked to HIV Care – 3 months:** Number of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

<sup>1</sup> Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection.” *Clin Infect Dis*. 2011; 52 (6): 793-800.

<sup>2</sup>Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2015. *HIV Surveillance Supplemental Report* 2017;22(No. 2). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published July 2017.

## Figure 8 – Diagnosis-Based Estimated Adult/Adolescent 2016 HIV Continuum of Care Cascades, Current Baltimore County Residents, Reported through 6/30/2017

The diagnosis-based Baltimore County Engagement in HIV Care Cascade (below) uses Maryland surveillance data for current Baltimore County residents to describe the number and percentage of persons living with HIV in Baltimore County on 12/31/2016 and the number and percentage of new HIV diagnoses in 2016 who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	Living HIV Cases		Continuum of Care Stage	New Diagnoses	
	Number	Percentage		Number	Percentage
HIV Diagnosed	3,305	100.0%	New HIV Diagnoses	139	100.0%
Retained in HIV Care	2,398	72.6%	Linked to HIV Care – 1 Month	116	83.5%
Suppressed VL	1,605	48.6%	Linked to HIV Care – 3 Months	125	89.9%

**HIV Diagnosed:** Adult/adolescent total living HIV cases as of December 31<sup>st</sup> of the specified year with a recent address in Maryland between 2009 and 2016.

**Retained in HIV Care:** HIV Diagnosed with a reported CD4 or viral load test result performed during the specified year.

**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

**New HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Linked to HIV Care – 1 month:** Adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month after their initial HIV diagnosis.

**Linked to HIV Care – 3 months:** Number of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

## Section IV – Cases by Age

**Table 7 – HIV Diagnoses during 2016, Linked to Care, Late Diagnosis, and First CD4 Test Result by Age at HIV Diagnosis, Reported through 6/30/2017**

AGE AT HIV DIAGNOSIS	POPULATION	REPORTED HIV DIAGNOSES							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.	%	%	Median Count
<5 (Pediatric)	49,111	0	0.0%	0.0	--	--	--	--	--
5-12 (Pediatric)	80,120	0	0.0%	0.0	--	--	--	--	--
13-19	72,836	8	5.8%	11.0	75.0%	87.5%	***	87.5%	642
20-29	111,994	43	30.9%	38.4	83.7%	90.7%	14.0%	88.4%	400
30-39	108,425	31	22.3%	28.6	83.9%	93.5%	25.8%	83.9%	305
40-49	101,599	23	16.5%	22.6	78.3%	78.3%	30.4%	78.3%	296
50-59	117,386	20	14.4%	17.0	85.0%	90.0%	30.0%	80.0%	345
60+	189,555	14	10.1%	7.4	92.9%	100.0%	***	92.9%	412
<b>TOTAL</b>	<b>831,026</b>	<b>139</b>	<b>100.0%</b>	<b>16.7</b>	<b>83.5%</b>	<b>89.9%</b>	<b>24.5%</b>	<b>84.9%</b>	<b>368</b>

\*\*\* Data withheld due to low population counts and/or case counts

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Population:** Population estimate for 7/1/2016.

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Rate:** Number of HIV diagnoses divided by the population age 13 years or older and multiplied by 100,000.

**Linked to Care:** Percent of reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

**Late HIV Diagnosis:** Percent of reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**First CD4 Test Result Percent:** Percent of reported HIV diagnoses with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

**First CD4 Test Result Median Count:** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Table 8 – HIV Cases Alive on 12/31/2016, by Age on 12/31/2016, Reported through 6/30/2017**

AGE ON 12/31/2016	POPULATION	TOTAL LIVING HIV CASES				
		No.	% of Total	% Living with AIDS	Rate	Ratio (1 in X)
<5	49,111	1	0.0%	0.0%	2.0	49,111
5-12	80,120	8	0.2%	25.0%	10.0	10,015
13-19	72,836	26	0.8%	19.2%	35.7	2,801
20-29	111,994	357	10.6%	32.8%	318.8	313
30-39	108,425	636	18.8%	41.2%	586.6	170
40-49	101,599	789	23.4%	58.9%	776.6	128
50-59	117,386	1,037	30.7%	65.8%	883.4	113
60+	189,555	522	15.5%	66.3%	275.4	363
<b>TOTAL</b>	<b>831,026</b>	<b>3,376</b>	<b>100.0%</b>	<b>55.7%</b>	<b>406.2</b>	<b>246</b>

**Age on [date]:** Age group of living cases on the specified date.

**Population:** Population estimate for 7/1/2016.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Percent Living with AIDS:** The percent of reported HIV diagnoses with an AIDS diagnosis not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** Number of HIV cases divided by the population multiplied by 100,000.

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 9 – CD4 Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Age on 12/31/2016, Reported through 6/30/2017**

AGE ON 12/31/2016	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	8	5	62.5%	442	0.0%	40.0%	20.0%	40.0%
20-29	315	206	65.4%	540	11.2%	11.2%	22.8%	54.9%
30-39	634	410	64.7%	574	11.2%	12.2%	17.8%	58.8%
40-49	789	513	65.0%	576	11.5%	11.9%	16.4%	60.2%
50-59	1,037	717	69.1%	585	10.2%	13.9%	14.2%	61.6%
60+	522	350	67.0%	582	9.1%	12.6%	19.7%	58.6%
<b>TOTAL</b>	<b>3,305</b>	<b>2,201</b>	<b>66.6%</b>	<b>578</b>	<b>10.6%</b>	<b>12.7%</b>	<b>17.1%</b>	<b>59.6%</b>

**Table 10 – Viral Load Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Age on 12/31/2016, Reported through 6/30/2017**

AGE ON 12/31/2016	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	No.	Recent Viral Load Test Result				Median Unsuppressed
		No. with Test	% with Test	% Suppressed		
13-19	8	8	100.0%	62.5%		12,070
20-29	315	213	67.6%	58.2%		15,500
30-39	634	389	61.4%	75.6%		14,509
40-49	789	480	60.8%	81.5%		12,589
50-59	1,037	615	59.3%	84.9%		3,715
60+	522	306	58.6%	87.6%		10,516
<b>TOTAL</b>	<b>3,305</b>	<b>2,011</b>	<b>60.8%</b>	<b>79.8%</b>		<b>10,070</b>

**Age on [date]:** Age group of living cases on the specified date.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year.

**CD4 With Test:** Number and percent of adult/adolescent total living HIV cases with a recent CD4 test result.

**Median Count:** Median CD4 count (cells per microliter), among adult/adolescent total living HIV cases, of the most recent CD4 test result measured in the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of adult/adolescent living HIV cases with a recent CD4 test result distributed by the CD4 count results (cells per microliter).

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year.

**Viral Load With Test:** Number and percent of adult/adolescent total living HIV cases with a recent viral load test result.

**Percent Suppressed:** Percent of adult/adolescent total living HIV cases with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

**Median Unsuppressed:** Median unsuppressed viral load (copies per milliliter) among adult/adolescent total living HIV cases with the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.



## Section V – Adult/Adolescent Cases by Demographics

**Table 11 – Adult/Adolescent HIV Diagnoses during 2016, Linked to Care, Late Diagnosis, and First CD4 Test Result by Sex at Birth, Race/Ethnicity, and Country of Birth, Reported through 6/30/2017**

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.		%	Median Count
<b>Male</b>	328,384	103	74.1%	31.4	82.5%	90.3%	21.4%	85.4%	366
<b>Female</b>	373,411	36	25.9%	9.6	86.1%	88.9%	33.3%	83.3%	409
<b>TOTAL</b>	701,795	139	100.0%	19.8	83.5%	89.9%	24.5%	84.9%	368

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.		%	Median Count
<b>Hispanic</b>	31,934	9	6.5%	28.2	66.7%	77.8%	***	88.9%	241
<b>Non-Hispanic</b>	669,861	130	93.5%	19.4	84.6%	90.8%	***	84.6%	392
American Indian/Alaska Native, only	1,845	0	0.0%	0.0	--	--	--	--	--
Asian, only	42,182	3	2.2%	7.1	***	***	***	***	***
Black, only	191,166	95	68.3%	49.7	85.3%	91.6%	23.2%	85.3%	374
Native Hawaiian/ Other Pacific Islander, only	267	0	0.0%	0.0	--	--	--	--	--
White, only	423,225	29	20.9%	6.9	86.2%	93.1%	24.1%	82.8%	429
Multiracial/ Other	11,177	3	2.2%	26.8	***	***	***	***	***
<b>TOTAL</b>	701,795	139	100.0%	19.8	83.5%	89.9%	24.5%	84.9%	368

COUNTRY OF BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.		%	Median Count
<b>United States</b>	604,784	114	82.0%	18.8	83.3%	91.2%	22.8%	85.1%	368
<b>Foreign-born</b>	89,313	21	15.1%	23.5	81.0%	81.0%	33.3%	85.7%	346
Africa	--	10	7.2%	--	90.0%	90.0%	***	90.0%	328
Asia	--	3	2.2%	--	***	***	***	***	***
Caribbean	--	3	2.2%	--	***	***	***	***	***
Central America	--	4	2.9%	--	***	***	***	***	***
Other	--	1	0.7%	--	***	***	***	***	***
Unknown	--	4	2.9%	--	***	***	***	***	***
<b>TOTAL</b>	694,097	139	100.0%	20.0	83.5%	89.9%	24.5%	84.9%	368

\* Population data by sex at birth, age, and race/ethnicity are from the 2016 U.S. Census population estimates

\*\* Population data by country of birth are from the 2015 American Community Survey

\*\*\* Data withheld due to low population and/or case counts

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2016.

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Rate:** Number of adult/adolescent HIV diagnoses divided by the population age 13 years or older and multiplied by 100,000.

**Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

**Late HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**First CD4 Test Result Percent:** Percent of adult/adolescent reported HIV diagnoses with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

**First CD4 Test Result Median Count:** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Table 12 – Adult/Adolescent Living HIV Cases Alive on 12/31/2016, by Sex at Birth, Race/Ethnicity, and Country of Birth, Reported through 6/30/2017**

SEX AT BIRTH	POPULATION AGE 13+	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
		No.	% of Total	% Living with AIDS	Rate	Ratio (1 in X)
Male	328,384	2,094	63.4%	54.5%	637.7	156
Female	373,411	1,211	36.6%	58.1%	324.3	308
TOTAL	701,795	3,305	100.0%	55.8%	470.9	212

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
		No.	% of Total	% Living with AIDS	Rate	Ratio (1 in X)
Hispanic	31,934	166	5.0%	53.6%	519.8	192
Non-Hispanic	669,861	3,139	95.0%	55.9%	468.6	213
American Indian/Alaska Native, only	1,845	2	0.1%	50.0%	108.4	922
Asian, only	42,182	38	1.1%	44.7%	90.1	1110
Black, only	191,166	2,263	68.5%	56.3%	1,183.8	84
Native Hawaiian/Other Pacific Islander, only	267	0	0.0%	0.0%	0.0	--
White, only	423,225	598	18.1%	53.7%	141.3	707
Multiracial/Other	11,177	238	7.2%	60.5%	2,129.3	46
TOTAL	701,795	3,305	100.0%	55.8%	470.9	212

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
		No.	% of Total	% Living with AIDS	Rate	Ratio (1 in X)
United States	604,784	2,927	88.6%	56.6%	484.0	206
Foreign-born	89,313	277	8.4%	54.5%	310.1	322
Africa	--	168	5.1%	49.4%	--	--
Asia	--	45	1.4%	68.9%	--	--
Caribbean	--	15	0.5%	46.7%	--	--
Central America	--	28	0.8%	60.7%	--	--
Other	--	21	0.6%	61.9%	--	--
Unknown	--	101	3.1%	36.6%	--	--
TOTAL	694,097	3,305	100.0%	55.8%	476.2	210

\* Population data by sex at birth, age, and race/ethnicity are from the 2016 U.S. Census population estimates

\*\* Population data by country of birth are from the 2015 American Community Survey

\*\*\* Data withheld due to low population and/or case counts

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2016.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Percent Living with AIDS:** The percent of reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** Number of adult/adolescent cases divided by the population age 13 years or older multiplied by 100,000.

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 13 – CD4 Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2017**

SEX AT BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male	2,094	1,363	65.1%	572	10.1%	13.6%	17.9%	58.4%
Female	1,211	838	69.2%	589	11.5%	11.2%	15.8%	61.6%
TOTAL	3,305	2,201	66.6%	578	10.6%	12.7%	17.1%	59.6%

RACE/ETHNICITY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Hispanic	166	111	66.9%	532	12.6%	14.4%	18.9%	54.1%
Non-Hispanic	3,139	2,090	66.6%	580	10.5%	12.6%	17.0%	59.9%
American Indian/Alaska Native, only	2	***	***	***	***	***	***	***
Asian, only	38	26	68.4%	537	3.8%	7.7%	30.8%	57.7%
Black, only	2,263	1,511	66.8%	575	10.6%	13.1%	17.0%	59.3%
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--	--	--	--
White, only	598	383	64.0%	631	9.4%	11.2%	15.4%	64.0%
Multiracial/Other	238	***	***	***	***	***	***	***
TOTAL	3,305	2,201	66.6%	578	10.6%	12.7%	17.1%	59.6%

COUNTRY OF BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
United States	2,927	1,958	66.9%	584	11.0%	12.8%	16.1%	60.1%
Foreign-born	277	184	66.4%	536	7.6%	10.9%	27.7%	53.8%
Africa	168	116	69.0%	576	6.9%	10.3%	24.1%	58.6%
Asia	45	29	64.4%	478	6.9%	10.3%	34.5%	48.3%
Caribbean	15	9	60.0%	581	0.0%	0.0%	22.2%	77.8%
Central America	28	17	60.7%	431	11.8%	17.6%	35.3%	35.3%
Other	21	13	61.9%	462	15.4%	15.4%	38.5%	30.8%
Unknown	101	59	58.4%	554	6.8%	16.9%	15.3%	61.0%
TOTAL	3,305	2,201	66.6%	578	10.6%	12.7%	17.1%	59.6%

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year.

**With Test:** Number and percent of adult/adolescent total living HIV cases with a recent CD4 test result.

**Median Count:** Median CD4 count (cells per microliter), among adult/adolescent total living HIV cases, of the most recent CD4 test result measured in the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of adult/adolescent living HIV cases with a recent CD4 test result distributed by the CD4 count results (cells per microliter).

**Table 14 – Viral Load Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2017**

SEX AT BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
<b>Male</b>	2,094	1,258	60.1%	79.2%	10,245
<b>Female</b>	1,211	753	62.2%	80.7%	9,540
<b>TOTAL</b>	3,305	2,011	60.8%	79.8%	10,070

RACE/ETHNICITY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
<b>Hispanic</b>	166	97	58.4%	84.5%	27,135
<b>Non-Hispanic</b>	3,139	1,914	61.0%	79.5%	9,806
American Indian/Alaska Native, only	2	***	***	***	***
Asian, only	38	23	60.5%	95.7%	4,444
Black, only	2,263	1,405	62.1%	78.6%	9,324
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--
White, only	598	329	55.0%	80.5%	9,595
Multiracial/Other	238	***	***	***	***
<b>TOTAL</b>	3,305	2,011	60.8%	79.8%	10,070

COUNTRY OF BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
<b>United States</b>	2,927	1,798	61.4%	79.0%	11,355
<b>Foreign-born</b>	277	161	58.1%	87.0%	2,330
Africa	168	103	61.3%	87.4%	1,842
Asia	45	26	57.8%	96.2%	4,444
Caribbean	15	10	66.7%	90.0%	807
Central America	28	13	46.4%	76.9%	52,397
Other	21	9	42.9%	66.7%	2,330
Unknown	101	52	51.5%	84.6%	10,956
<b>TOTAL</b>	3,305	2,011	60.8%	79.8%	10,070

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year.

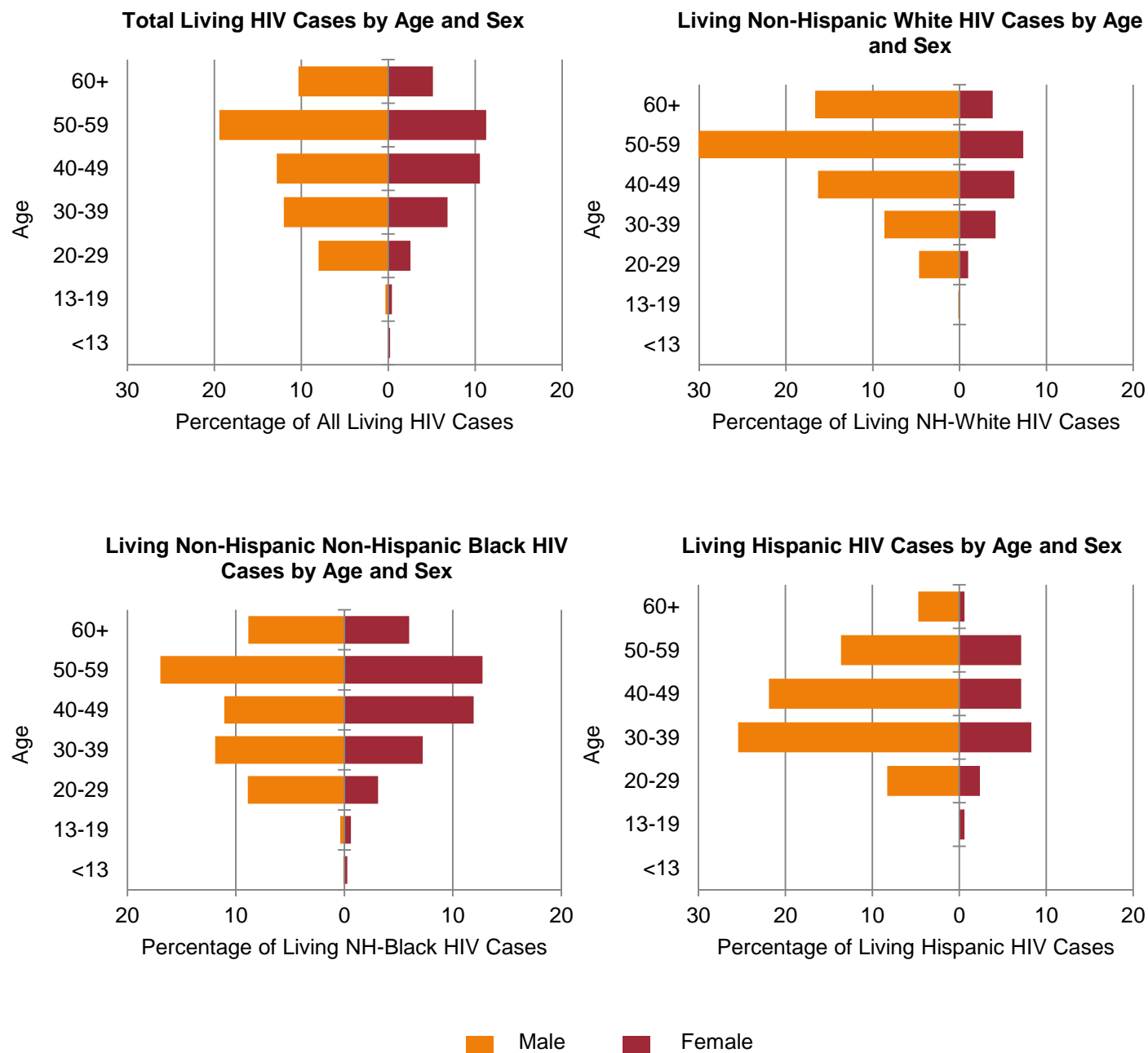
**With Test:** Number and percent of adult/adolescent total living HIV cases with a recent viral load test result.

**Percent Suppressed:** Percent of adult/adolescent total living HIV cases with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

**Median Unsuppressed:** Median unsuppressed viral load (copies per milliliter) among adult/adolescent total living HIV cases with the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

## Section VI – HIV Cases by Expanded Demographics

**Figure 9 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on 12/31/2016 and Reported through 6/30/2017**



**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 15 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2016 and Reported through 6/30/2017**

TOTAL LIVING MALE HIV CASES						
AGE ON 12/31/2016		RACE/ETHNICITY				TOTAL MALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non- Hispanic Other Race	
<13 (Pediatric)	Population	6,127	21,139	30,375	8,024	65,665
	Cases	0	2	0	0	2
	Rate	0.0	9.5	0.0	0.0	3.0
	Ratio (1 in X)	--	10,569	--	--	32,832
13-19	Population	2,540	12,132	18,213	3,844	36,729
	Cases	0	9	1	1	11
	Rate	0.0	74.2	5.5	26.0	29.9
	Ratio (1 in X)	--	1,348	18,213	3,844	3,339
20-29	Population	3,473	16,772	29,507	5,319	55,071
	Cases	14	207	28	21	270
	Rate	403.1	1,234.2	94.9	394.8	490.3
	Ratio (1 in X)	248	81	1,053	253	203
30-39	Population	4,368	14,156	27,841	5,443	51,808
	Cases	43	277	52	33	405
	Rate	984.4	1,956.8	186.8	606.3	781.7
	Ratio (1 in X)	101	51	535	164	127
40-49	Population	2,968	13,877	26,643	4,498	47,986
	Cases	37	257	98	41	433
	Rate	1,246.6	1,852.0	367.8	911.5	902.3
	Ratio (1 in X)	80	53	271	109	110
50-59	Population	1,789	13,165	36,791	3,314	55,059
	Cases	23	394	186	53	656
	Rate	1,285.6	2,992.8	505.6	1,599.3	1,191.4
	Ratio (1 in X)	77	33	197	62	83
60+	Population	1,418	14,381	61,663	4,269	81,731
	Cases	8	206	100	34	348
	Rate	564.2	1,432.4	162.2	796.4	425.8
	Ratio (1 in X)	177	69	616	125	234
TOTAL MALES BY RACE/ETHNICITY	Population	22,683	105,622	231,033	34,711	394,049
	Cases	125	1,352	465	183	2,125
	Rate	551.1	1,280.0	201.3	527.2	539.3
	Ratio (1 in X)	181	78	496	189	185

**Age on [date]:** Age group of living cases on the specified date.

**Total Living Male HIV Cases:** Reported HIV diagnoses with Male sex at birth with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Population:** Population estimate for 7/1/2016.

**Rate:** Number of cases divided by the population multiplied by 100,000.

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 16 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2016 and Reported through 6/30/2017**

TOTAL LIVING FEMALE HIV CASES						
AGE ON 12/31/2016		RACE/ETHNICITY				TOTAL FEMALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non- Hispanic Other Race	
<13 (Pediatric)	Population	5,934	20,854	28,935	7,844	63,566
	Cases	0	6	0	1	7
	Rate	0.0	28.8	0.0	12.7	11.0
	Ratio (1 in X)	--	3,475	--	7,844	9,080
13-19	Population	2,447	12,024	17,892	3,743	36,107
	Cases	1	14	0	0	15
	Rate	40.9	116.4	0.0	0.0	41.5
	Ratio (1 in X)	2,447	858	--	--	2,407
20-29	Population	3,313	18,495	29,598	5,517	56,923
	Cases	4	72	6	5	87
	Rate	120.7	389.3	20.3	90.6	152.8
	Ratio (1 in X)	828	256	4,933	1,103	654
30-39	Population	3,673	18,621	28,585	5,738	56,617
	Cases	14	168	25	24	231
	Rate	381.2	902.2	87.5	418.3	408.0
	Ratio (1 in X)	262	110	1,143	239	245
40-49	Population	2,582	17,788	28,108	5,135	53,613
	Cases	12	277	38	29	356
	Rate	464.8	1,557.2	135.2	564.8	664.0
	Ratio (1 in X)	215	64	739	177	150
50-59	Population	1,632	17,282	39,478	3,935	62,327
	Cases	12	296	44	29	381
	Rate	735.3	1,712.8	111.5	737.0	611.3
	Ratio (1 in X)	136	58	897	135	163
60+	Population	1,730	22,473	78,906	4,715	107,824
	Cases	1	139	23	11	174
	Rate	57.8	618.5	29.1	233.3	161.4
	Ratio (1 in X)	1,730	161	3,430	428	619
TOTAL FEMALES BY RACE/ETHNICITY	Population	21,311	127,537	251,502	36,627	436,977
	Cases	44	972	136	99	1,251
	Rate	206.5	762.1	54.1	270.3	286.3
	Ratio (1 in X)	484	131	1,849	369	349

**Age on [date]:** Age group of living cases on the specified date.

**Total Living Female HIV Cases:** Reported HIV diagnoses with Female sex at birth with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Population:** Population estimate for 7/1/2016.

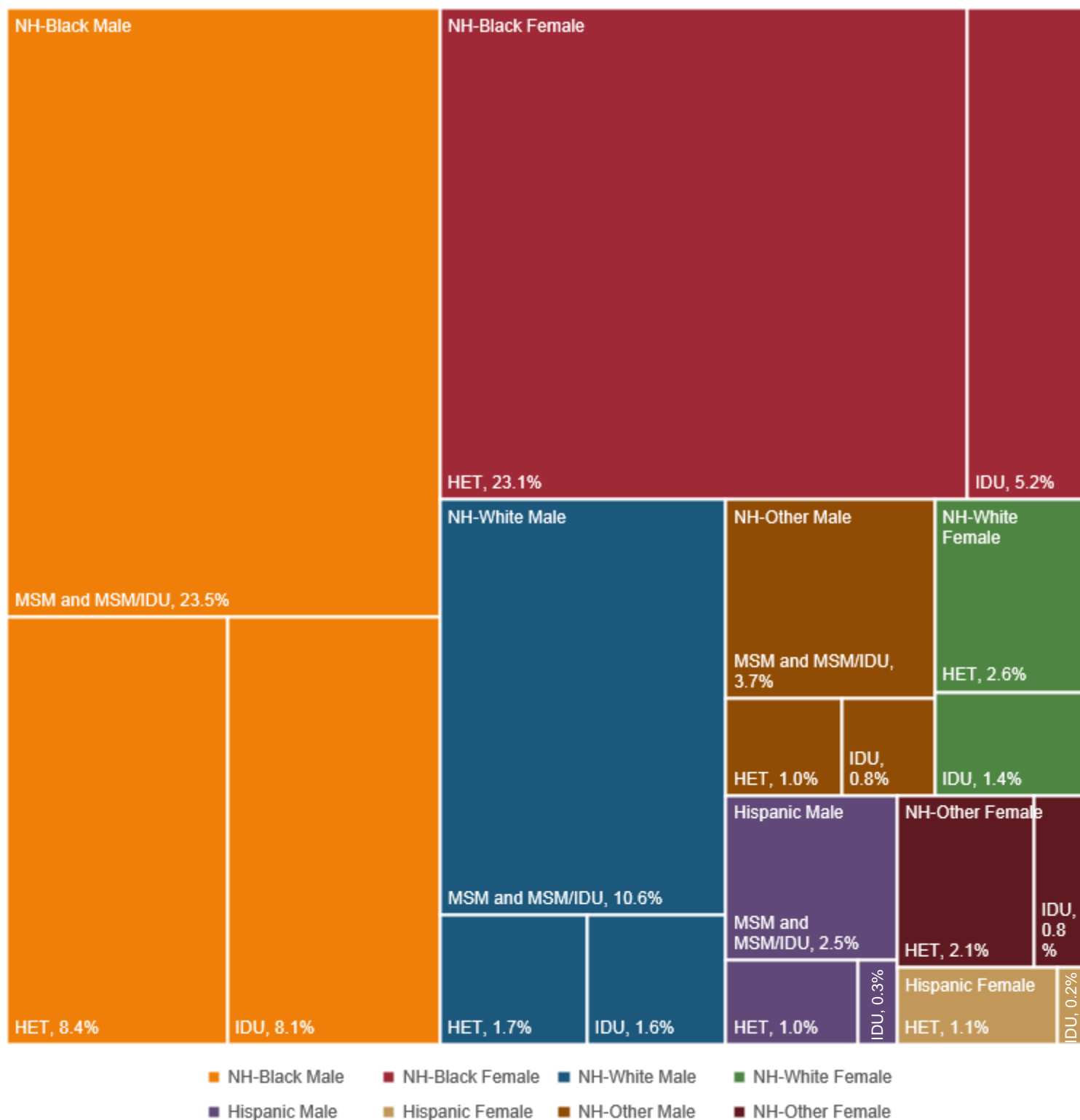
**Rate:** Number of cases divided by the population multiplied by 100,000.

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.



## Section VII – HIV Exposure Category

**Figure 10 – Proportion of Adult/Adolescent Total Living HIV Cases, by Estimated Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2016, Reported through 6/30/2017**



Other exposure category not shown (<1%).

Multiple imputation was used to estimate and adjust for missing transmission category.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Men who have Sex with Men (MSM):** Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

**Injection Drug Use (IDU):** Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

**MSM/IDU:** Men who report a history of sexual contact with other men who also have engaged in injection drug use.

**Heterosexual Exposure (HET):** Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

**Table 17 – Adult/Adolescent HIV Diagnoses during 2016, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Exposure Category and Sex at Birth, Reported through 6/30/2017**

EXPOSURE CATEGORY**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						
	No.	% of Total with Exposure	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 mo.	% 3 mo.	%	%	Median Count
<b>With Exposure</b>	92	100.0%	87.0%	93.5%	21.7%	88.0%	368
Men who have Sex with Men (MSM)	51	55.4%	88.2%	94.1%	11.8%	84.3%	429
Injection Drug Users (IDU)	4	4.3%	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--	--	--	--
Heterosexual Exposure (HET)	37	40.2%	***	***	***	***	***
Other Exposure	0	0.0%	--	--	--	--	--
<b>No Reported Exposure</b>	47		76.6%	83.0%	29.8%	78.7%	342
<b>TOTAL</b>	139		83.5%	89.9%	24.5%	84.9%	368

MALE EXPOSURE CATEGORY**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						
	No.	% of Total with Exposure	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 mo.	% 3 mo.	%	%	Median Count
<b>With Exposure</b>	71	100.0%	87.3%	94.4%	18.3%	87.3%	368
Men who have Sex with Men (MSM)	51	71.8%	88.2%	94.1%	11.8%	84.3%	429
Injection Drug Users (IDU)	2	2.8%	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--	--	--	--
Heterosexual Exposure (HET)	18	25.4%	***	***	***	***	***
Other Exposure	0	0.0%	--	--	--	--	--
<b>No Reported Exposure</b>	32		71.9%	81.3%	28.1%	81.3%	325
<b>TOTAL</b>	103		82.5%	90.3%	21.4%	85.4%	366

FEMALE EXPOSURE CATEGORY**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						
	No.	% of Total with Exposure	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 mo.	% 3 mo.	%	%	Median Count
<b>With Exposure</b>	21	100.0%	85.7%	90.5%	33.3%	90.5%	417
Injection Drug Users (IDU)	2	9.5%	***	***	***	***	***
Heterosexual Exposure (HET)	19	90.5%	***	***	***	***	***
Other Exposure	0	0.0%	--	--	--	--	--
<b>No Reported Exposure</b>	15		86.7%	86.7%	33.3%	73.3%	400
<b>TOTAL</b>	36		86.1%	88.9%	33.3%	83.3%	409

\*\* 2016 reported HIV exposure data are preliminary.

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

**Late HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**First CD4 Test Result Percent:** Percent of adult/adolescent reported HIV diagnoses with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

**First CD4 Test Result Median Count:** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Table 18 – Adult/Adolescent Living HIV Cases Alive on 12/31/2016, by Exposure Category and Sex at Birth, Reported through 6/30/2017**

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES		
	No.	% of Total with Exposure	% Living with AIDS
<b>With Exposure</b>	2,881	100.0%	58.0%
Men who have Sex with Men (MSM)	1,073	37.2%	49.2%
Injection Drug Users (IDU)	529	18.4%	76.2%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	98	3.4%	65.3%
Heterosexual Exposure (HET)	1,169	40.6%	57.1%
Other Exposures	12	0.4%	58.3%
<b>No Reported Exposure*</b>	424		41.3%
<b>TOTAL</b>	3,305		55.8%

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES		
	No.	% of Total with Exposure	% Living with AIDS
<b>With Exposure</b>	1,843	100.0%	56.3%
Men who have Sex with Men (MSM)	1,073	58.2%	49.2%
Injection Drug Users (IDU)	316	17.1%	75.6%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	98	5.3%	65.3%
Heterosexual Exposure (HET)	349	18.9%	57.9%
Other Exposures	7	0.4%	57.1%
<b>No Reported Exposure</b>	251		41.4%
<b>TOTAL</b>	2,094		54.5%

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES		
	No.	% of Total with Exposure	% Living with AIDS
<b>With Exposure</b>	1,038	100.0%	61.0%
Injection Drug Users (IDU)	213	20.5%	77.0%
Heterosexual Exposure (HET)	820	79.0%	56.8%
Other Exposures	5	0.5%	60.0%
<b>No Reported Exposure*</b>	173		41.0%
<b>TOTAL</b>	1,211		58.1%

\* Includes 8 HIV cases with Presumed Female Heterosexual exposure.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Percent Living with AIDS:** The percent of reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 19 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2016 and Reported through 6/30/2017**

Exposure Category	Adult/Adolescent Total Living HIV Cases					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	150	100.0%	1,958	100.0%	519	100.0%
Men who have Sex with Men (MSM)	67	44.7%	619	31.6%	282	54.3%
Injection Drug Users (IDU)	15	10.0%	375	19.2%	90	17.3%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	7	4.7%	62	3.2%	20	3.9%
Heterosexual Exposure (HET)	61	40.7%	895	45.7%	122	23.5%
Other Exposures	0	0.0%	7	0.4%	5	1.0%
<b>No Reported Exposure*</b>	16		305		79	
<b>TOTAL</b>	166		2,263		598	

Male Exposure Category	Adult/Adolescent Total Living HIV Cases					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	113	100.0%	1,161	100.0%	402	100.0%
Men who have Sex with Men (MSM)	67	59.3%	619	53.3%	282	70.1%
Injection Drug Users (IDU)	10	8.8%	233	20.1%	48	11.9%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	7	6.2%	62	5.3%	20	5.0%
Heterosexual Exposure (HET)	29	25.7%	243	20.9%	49	12.2%
Other Exposures	0	0.0%	4	0.3%	3	0.7%
<b>No Reported Exposure</b>	12		164		60	
<b>TOTAL</b>	125		1,325		462	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	37	100.0%	797	100.0%	117	100.0%
Injection Drug Users (IDU)	5	13.5%	142	17.8%	42	35.9%
Heterosexual Exposure (HET)	32	86.5%	652	81.8%	73	62.4%
Other Exposures	0	0.0%	3	0.4%	2	1.7%
<b>No Reported Exposure*</b>	4		141		19	
<b>TOTAL</b>	41		938		136	

\* Includes 1 Hispanic case and 7 non-Hispanic black cases with Presumed Female Heterosexual exposure

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 20 – CD4 Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Exposure Category, Reported through 6/30/2017**

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
<b>With Exposure</b>	2,881	1,958	68.0%	582	10.8%	12.3%	16.5%	60.4%
Men who have Sex with Men (MSM)	1,073	699	65.1%	594	9.4%	11.9%	16.3%	62.4%
Injection Drug Users (IDU)	529	395	74.7%	576	13.9%	11.9%	15.2%	59.0%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	98	58	59.2%	595	8.6%	12.1%	17.2%	62.1%
Heterosexual Exposure (HET)	1,169	796	68.1%	580	10.4%	12.9%	17.2%	59.4%
Other Exposures	12	10	83.3%	426	20.0%	10.0%	30.0%	40.0%
<b>No Reported Exposure*</b>	424	243	57.3%	517	9.1%	16.0%	21.4%	53.5%
<b>TOTAL</b>	3,305	2,201	66.6%	578	10.6%	12.7%	17.1%	59.6%

\* Includes 8 cases with Presumed Female Heterosexual exposure

**Table 21 – Viral Load Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Exposure Category, Reported through 6/30/2017**

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Count
<b>With Exposure</b>	2,881	1,768	61.4%	80.3%	9,600
Men who have Sex with Men (MSM)	1,073	644	60.0%	77.8%	9,520
Injection Drug Users (IDU)	529	329	62.2%	78.7%	9,545
Men who have Sex with Men and Inject Drugs (MSM/IDU)	98	53	54.1%	75.5%	21,930
Heterosexual Exposure (HET)	1,169	734	62.8%	83.8%	8,696
Other Exposures	12	8	66.7%	62.5%	33,884
<b>No Reported Exposure*</b>	424	243	57.3%	75.7%	12,900
<b>TOTAL</b>	3,305	2,011	60.8%	79.8%	10,070

\* Includes 8 cases with Presumed Female Heterosexual exposure

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year.

**CD4 With Test:** Number and percent of adult/adolescent total living HIV cases with a recent CD4 test result.

**Median Count:** Median CD4 count (cells per microliter), among adult/adolescent total living HIV cases, of the most recent CD4 test result measured in the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of adult/adolescent living HIV cases with a recent CD4 test result distributed by the CD4 count results (cells per microliter).

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year.

**Viral Load With Test:** Number and percent of adult/adolescent total living HIV cases with a recent viral load test result.

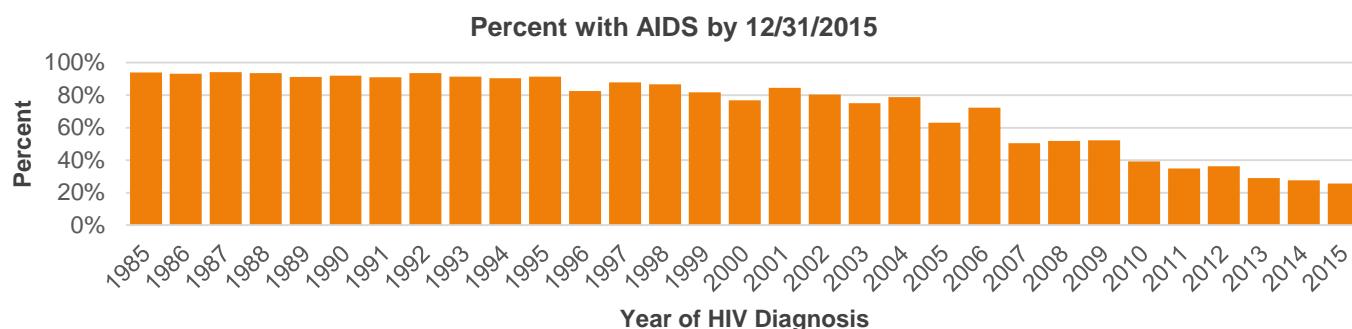
**Percent Suppressed:** Percent of adult/adolescent total living HIV cases with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

**Median Unsuppressed:** Median unsuppressed viral load (copies per milliliter) among adult/adolescent total living HIV cases with the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

## Section VIII – Disease Progression and Mortality

**Figure 11 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2015, Reported through 6/30/2017**

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis by 12/31/2015 (Adult/Adolescent Reported HIV Diagnoses), Number of Adult/Adolescent Reported HIV Cases with an AIDS Diagnosis by 12/31/2016 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Adult/Adolescent Reported HIV Diagnoses with a Reported AIDS Diagnosis by 12/31/2016, the Average Years from HIV Diagnosis to AIDS Diagnosis for Cases with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported Adult/Adolescent HIV Diagnoses with a Reported AIDS Diagnosis at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2015, as Reported by Name through 6/30/2017

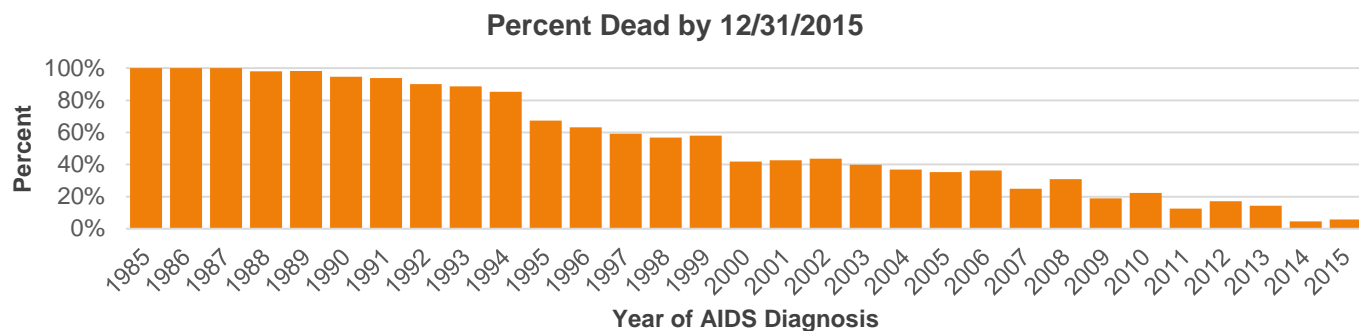


YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	39	36	92.3%	7.8	25.6%	25.6%	28.2%	61.5%
1985	66	62	93.9%	6.9	28.8%	28.8%	36.4%	72.7%
1986	73	68	93.2%	5.5	34.2%	34.2%	46.6%	80.8%
1987	86	81	94.2%	3.9	39.5%	43.0%	59.3%	88.4%
1988	125	117	93.6%	4.1	44.0%	45.6%	64.8%	84.8%
1989	137	125	91.2%	4.1	39.4%	43.8%	62.8%	81.8%
1990	162	149	92.0%	2.9	44.4%	53.1%	78.4%	86.4%
1991	203	185	91.1%	3.0	46.3%	54.7%	72.4%	81.8%
1992	199	186	93.5%	2.6	49.7%	59.8%	76.9%	87.9%
1993	150	137	91.3%	2.3	52.0%	59.3%	76.7%	88.7%
1994	135	122	90.4%	2.5	49.6%	57.8%	74.8%	86.7%
1995	150	137	91.3%	2.5	56.0%	61.3%	76.0%	86.0%
1996	154	127	82.5%	1.5	63.0%	67.5%	74.0%	79.2%
1997	156	137	87.8%	2.3	57.7%	59.6%	71.8%	83.3%
1998	150	130	86.7%	1.5	62.0%	66.7%	76.7%	86.0%
1999	159	130	81.8%	1.8	57.2%	59.7%	71.7%	78.6%
2000	142	109	76.8%	1.7	53.5%	57.7%	66.9%	75.4%
2001	156	132	84.6%	1.5	60.9%	67.3%	76.9%	82.1%
2002	230	185	80.4%	1.7	60.9%	64.3%	70.4%	77.0%
2003	176	132	75.0%	1.2	59.1%	64.2%	67.6%	72.2%
2004	170	134	78.8%	1.4	61.2%	65.9%	71.8%	75.3%
2005	165	104	63.0%	1.4	47.9%	49.7%	57.0%	62.4%
2006	206	149	72.3%	0.9	60.2%	64.1%	67.5%	72.3%
2007	186	94	50.5%	1.3	37.1%	39.8%	44.6%	--
2008	189	98	51.9%	1.2	39.2%	39.7%	48.1%	--
2009	180	94	52.2%	1.5	36.1%	37.8%	46.7%	--
2010	204	80	39.2%	1.3	26.0%	28.4%	37.3%	--
2011	163	57	35.0%	0.7	28.2%	32.5%	34.4%	--
2012	152	55	36.2%	0.9	26.3%	30.3%	--	--
2013	124	36	29.0%	0.2	27.4%	29.0%	--	--
2014	163	45	27.6%	0.3	24.5%	27.0%	--	--
2015	121	31	25.6%	0.1	24.8%	--	--	--
TOTAL	4,871	3,464	71.1%	2.2	45.9%	50.0%	59.7%	67.7%



**Figure 12 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2015, Reported through 6/30/2017**

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by 12/31/15 (Adult/Adolescent Reported AIDS Diagnoses), Number of Adult/Adolescent Reported AIDS Diagnosis Reported to Have Died of Any Cause by 12/31/2016 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) by 12/31/2016, the Average Years from AIDS Diagnosis to Death for Cases that have Died, and the Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2015, as Reported by Name through 6/30/2017



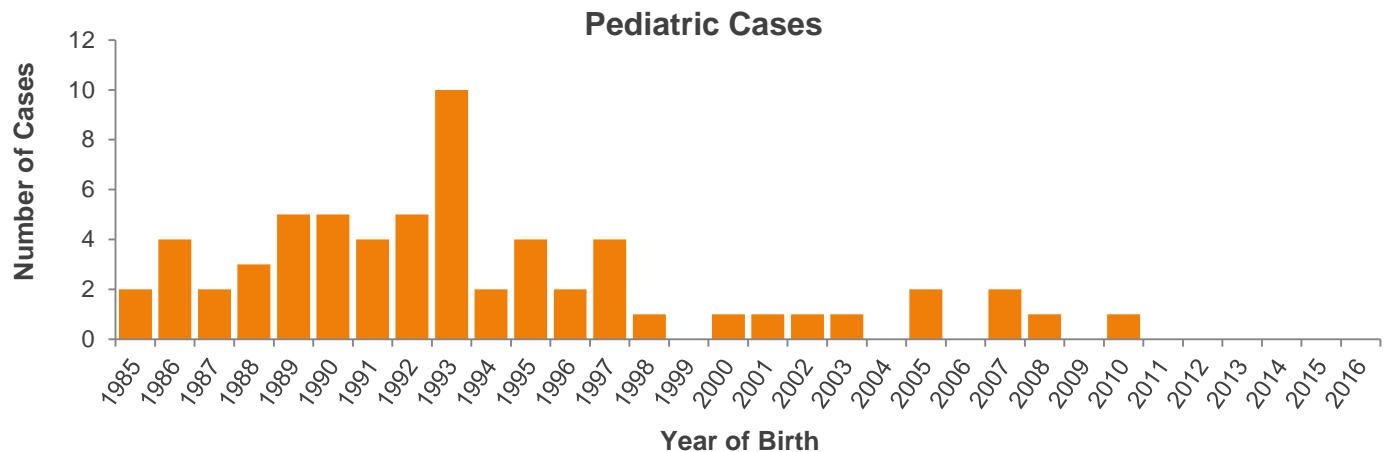
YEAR OF AIDS DIAGNOSIS	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Dead	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	8	8	100.0%	3.0	50.0%	25.0%	12.5%	12.5%
1985	17	17	100.0%	1.2	35.3%	5.9%	5.9%	0.0%
1986	22	22	100.0%	2.1	54.5%	40.9%	13.6%	0.0%
1987	36	36	100.0%	3.1	75.0%	44.4%	11.1%	8.3%
1988	50	49	98.0%	2.3	58.0%	40.0%	14.0%	4.0%
1989	59	58	98.3%	3.0	64.4%	40.7%	16.9%	6.8%
1990	75	71	94.7%	2.6	72.0%	52.0%	18.7%	9.3%
1991	114	107	93.9%	2.6	67.5%	47.4%	14.9%	11.4%
1992	140	126	90.0%	2.4	73.6%	49.3%	15.7%	12.1%
1993	159	141	88.7%	3.1	79.9%	49.7%	26.4%	17.0%
1994	116	99	85.3%	3.8	75.0%	56.0%	38.8%	24.1%
1995	150	101	67.3%	5.5	79.3%	68.0%	58.7%	48.7%
1996	117	74	63.2%	5.2	84.6%	77.8%	59.8%	48.7%
1997	120	71	59.2%	4.9	84.2%	79.2%	63.3%	49.2%
1998	95	54	56.8%	5.4	89.5%	81.1%	69.5%	53.7%
1999	121	70	57.9%	5.8	90.9%	82.6%	71.9%	50.4%
2000	98	41	41.8%	3.4	87.8%	82.7%	66.3%	61.2%
2001	117	50	42.7%	4.4	92.3%	82.1%	69.2%	63.2%
2002	172	75	43.6%	5.8	93.0%	90.7%	77.9%	66.3%
2003	118	47	39.8%	3.7	85.6%	81.4%	72.0%	64.4%
2004	114	42	36.8%	4.4	92.1%	90.4%	77.2%	68.4%
2005	102	36	35.3%	2.8	87.3%	82.4%	72.5%	65.7%
2006	138	50	36.2%	3.6	84.8%	81.9%	75.4%	65.2%
2007	84	21	25.0%	2.4	86.9%	83.3%	81.0%	--
2008	94	29	30.9%	2.4	87.2%	83.0%	74.5%	--
2009	105	20	19.0%	2.2	92.4%	90.5%	82.9%	--
2010	103	23	22.3%	1.9	89.3%	87.4%	79.6%	--
2011	87	11	12.6%	2.5	97.7%	95.4%	87.4%	--
2012	93	16	17.2%	1.7	93.5%	89.2%	--	--
2013	84	12	14.3%	1.2	92.9%	88.1%	--	--
2014	66	3	4.5%	1.0	98.5%	95.5%	--	--
2015*	69	4	5.8%	0.8	97.1%	--	--	--
TOTAL	3,043	1,584	52.1%	3.6	84.5%	74.7%	60.6%	52.8%

\*2015 AIDS deaths are preliminary.

## Section IX – Pediatric Cases

**Figure 13 – Trends in Pediatric HIV Cases, 1985-2016, Reported through 6/30/2017**

Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Pediatric Total Living HIV Cases) from 1985 through 2016, as Reported by Name through 6/30/2017



YEAR	PEDIATRIC REPORTED HIV DIAGNOSES			PEDIATRIC TOTAL LIVING HIV CASES	
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	No. Alive on 12/31 of Each Year
<1985	2	1	1	0	--
1985	2	0	0	0	0
1986	4	0	0	0	0
1987	2	2	2	0	0
1988	3	0	0	1	0
1989	5	4	3	2	1
1990	5	4	1	1	4
1991	4	4	2	0	7
1992	5	9	3	0	15
1993	10	4	1	1	18
1994	2	7	4	2	23
1995	4	2	1	1	24
1996	2	3	1	0	28
1997	4	1	0	0	30
1998	1	0	1	0	29
1999	0	0	1	0	28
2000	1	1	0	0	29
2001	1	1	0	0	31
2002	1	4	2	0	34
2003	1	0	1	0	33
2004	0	1	0	0	34
2005	2	1	0	0	35
2006	0	2	0	1	37
2007	2	7	0	0	45
2008	1	2	1	0	46
2009	0	3	2	2	47
2010	1	0	3	1	46
2011	0	1	2	1	45
2012	0	0	1	0	46
2013	0	1	1	0	49
2014	0	0	1	0	48
2015	0	0	0	0	48
2016	0	0	0	0	49
TOTAL	65	65	35	13	--

**Table 22 – Pediatric HIV Total Living HIV Cases, Diagnosed in Maryland, Alive on 12/31/2016, by Jurisdiction, Reported through 6/30/2017**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
21030	1	2.0%
21117	4	8.2%
21133	5	10.2%
21207	11	22.4%
21208	3	6.1%
21215	1	2.0%
21219	1	2.0%
21220	1	2.0%
21221	5	10.2%
21222	5	10.2%
21224	2	4.1%
21227	1	2.0%
21228	2	4.1%
21234	4	8.2%
21237	1	2.0%
21244	2	4.1%
<b>TOTAL</b>	<b>49</b>	<b>100.0%</b>

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 23 – Pediatric Total Living HIV Cases, Diagnosed in Maryland, by Sex at Birth and Race/Ethnicity, Alive on 12/31/2016 and Reported through 6/30/2017**

SEX AT BIRTH	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
<b>Male</b>	22	44.9%
<b>Female</b>	27	55.1%
<b>TOTAL</b>	49	100.0%

RACE/ETHNICITY	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
<b>Hispanic</b>	2	4.1%
<b>Non-Hispanic</b>	47	95.9%
American Indian/ Alaska Native, only	0	0.0%
Asian, only	0	0.0%
Black, only	40	81.6%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	5	10.2%
Multiracial/Other	2	4.1%
<b>TOTAL</b>	49	100.0%

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

# Glossary of Terms

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Age at AIDS Diagnosis:** Age group at time of initial AIDS diagnosis.

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Age on [date]:** Age group of living cases on the specified date.

**AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis that have died due to any cause.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**CD4 With Test:** Number and percent of adult/adolescent total living HIV cases with a recent CD4 test result.

**Corrections:** Residence in a state or federal prison. Does not include local jails and detention centers.

**Current Residence:** Jurisdiction of residence from the most recent report since 1/1/2009.

**First CD4 Test Result Median Count:** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**First CD4 Test Result Percent:** Percent of adult/adolescent reported HIV diagnoses with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

**Jurisdiction of Current Residence:** Jurisdiction of residence from the most recent report since 1/1/2009.

**Jurisdiction of Residence:** Jurisdiction of residence at diagnosis or current residence.

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at the later time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Late HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

**Living HIV Cases with AIDS:** Reported HIV diagnoses with an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Living HIV Cases without AIDS:** Reported HIV diagnoses without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Mean Years from HIV Diagnosis:** Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Mean Years from AIDS diagnosis to AIDS Death:** Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

**Median Count:** Median CD4 count (cells per microliter), among adult/adolescent total living HIV cases, of the most recent CD4 test result measured in the specified year.

**Median Unsuppressed:** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Percent Change:** The percent change in number of adult/adolescent total living HIV cases from residence at diagnosis to current residence.

**Percent Alive by Years after AIDS Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

**Percent Late HIV Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Percent Suppressed:** Percent of adult/adolescent total living HIV cases with a recent viral load test result measured in the specified year of less than 200 copies per milliliter

**Percent with AIDS:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis by 12/31/2016.

**Percent with AIDS by Years after HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

**Population:** Population estimate for 7/1/2016.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2016.

**Rate:** Number of HIV cases divided by the population multiplied by 100,000.

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year.

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year.

**Reported AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

**Reported AIDS Diagnoses:** Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Residence at Diagnosis:** Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

**Retained in HIV Care:** HIV Diagnosed with a CD4 test result performed in the specified year.

**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Viral Load With Test:** Number and percent of adult/adolescent total living HIV cases with a recent viral load test result.